

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

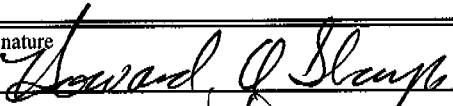
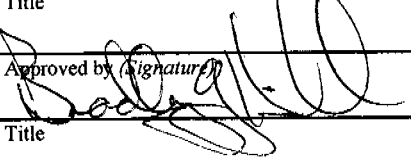
FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76489
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Pannonian Energy, Inc.		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 14 Inverness Dr. E., Englewood, CO 80112	3b. Phone No. (include area code) (303) 483-0044	8. Lease Name and Well No. Federal 32-31-9-19
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL & 1980' FEL (SWNE) At proposed prod. Zone 4427004 N 600704 E		9. API Well No. 43-047-34201
14. Distance in miles and direction from nearest town or post office* Approximately 26.2 miles from Myton, Utah		10. Field and Pool, or Exploratory Riverbend
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1980'	16. No. of Acres in lease 1136.8	11. Sec., T., R., M., or Blk. and Survey or Area Section 31-T9S-R19E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See Map C	19. Proposed Depth 8762'	12. County or Parish Uintah
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4883' GL	22. Approximate date work will start* Upon Approval	13. State UT
17. Spacing Unit dedicated to this well 40		
20. BLM/BIA Bond No. on file Utah BLM Bond No. 4127759		
23. Estimated duration 18 days		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) Howard Sharpe	Date 7-5-01
Title Vice President		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 08-06-01
Title RECLAMATION SPECIALIST III		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

T9S, R19E, S.L.B.&M.

West 1/4 Cor. Sec. 29
1910 Brass Cap 1.5' High,
Pile of Stones

PANNONIAN ENERGY, INC.

Well location, FEDERAL #32-31-9-19, located as shown in the SW 1/4 NE 1/4 of Section 31, T9S, R19E, S.L.B.&M. Uintah County, Utah.

South 1/4 Cor. Sec. 29
1910 Brass Cap
1.2' High, Pile
of Stones

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE NORTHWEST CORNER OF SECTION 31, T9S, R19E, S.L.B.&M. TAKEN FROM THE CROW KNOLL QUADRANGLE, UTAH, UTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4838 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

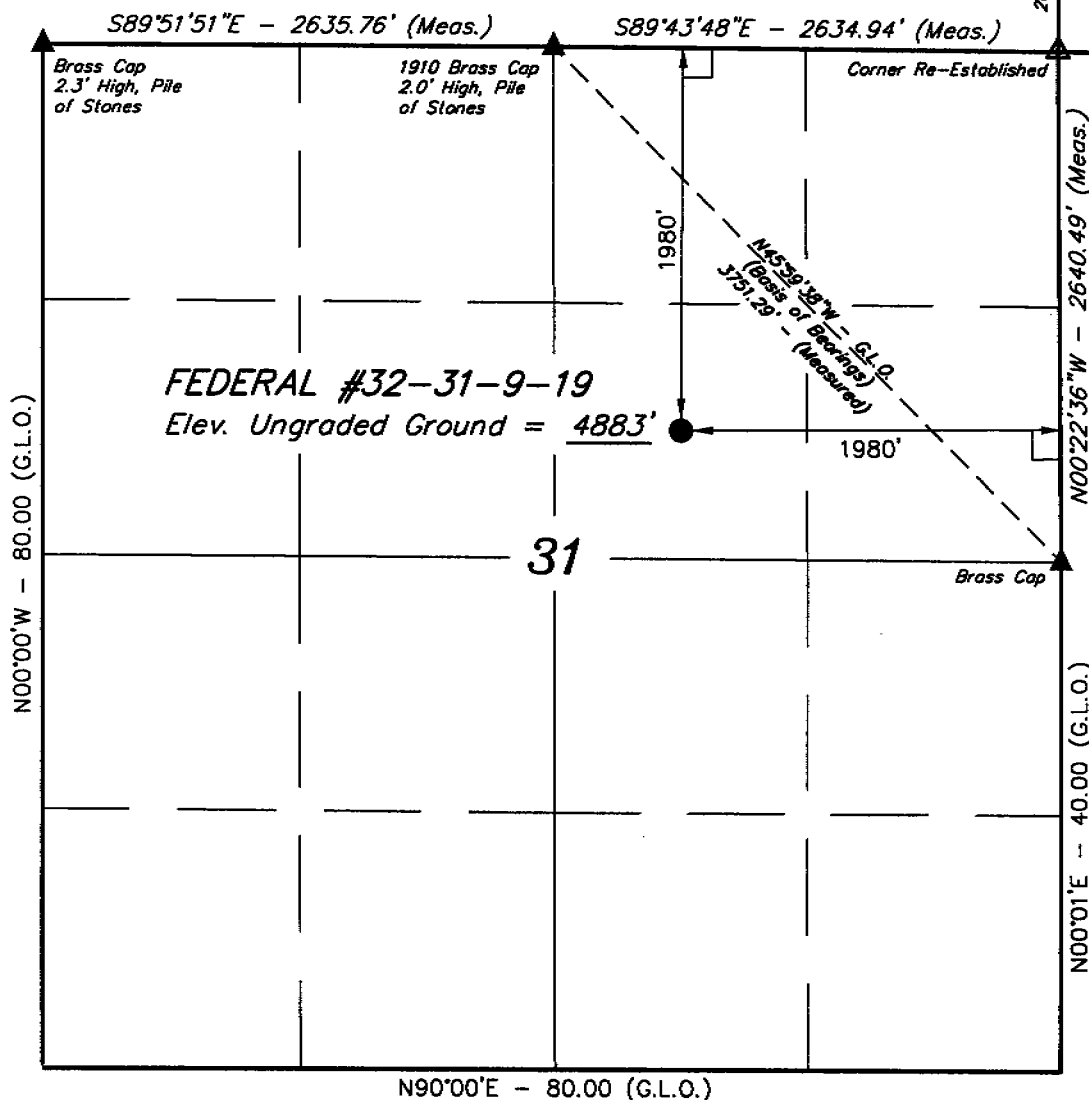
Robert J. Cox
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 5-30-01	DATE DRAWN: 6-11-01
PARTY D.A. J.A. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PANNONIAN ENERGY, INC.	



FEDERAL #32-31-9-19
Elev. Ungraded Ground = 4883'

31

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED BY DOUBLE PROPORTION METHOD. (Not Set on Ground)

LATITUDE = 39°59'21"
LONGITUDE = 109°49'11"

PANNONIAN ENERGY, INC.

**Federal 32-31-9-19
SWNE, Section 31-T9S-R19E
Uintah County, Utah
Lease No. UTU-76489**

DRILLING PLAN

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Formation	Depth (ft)	Hydrocarbon/Water Bearing Zones
Uintah	Surface	
Green River	1562'	Gas/Oil
Wasatch	5112'	Gas
TD	8762'	

All usable (<10,000 ppm TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. All significant oil and gas shows will be tested to determine commercial potential. This information shall be reported to the Vernal BLM Office.

2. PRESSURE CONTROL EQUIPMENT:

All well control equipment shall be in accordance with Onshore Order #2 for 5M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram showing size, pressure ratings, testing procedures, and testing frequency.

5000# BOP With 4-1/2" Pipe Rams
5000# BOP With Blind Rams
5000# Annular

Auxiliary equipment to be used:

- Upper kelly cocks with handle available.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) at:

- initial installation;
- whenever any seal subject to test pressure is broken;
- following related repairs;
- at 30 day intervals

The annular preventer will be pressure tested to 50 percent of the rated working pressure. All pressure tests shall be maintained at least ten minutes or until provisions of test are met, whichever is longer.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew.

All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer, and retain 200 psi above pre-charge pressure without the use of closing unit pumps. The system will have two independent power sources to close the preventers in accordance with 5M system requirements outlined in Onshore Order #2.

Remote controls shall be readily accessible to the driller. Master controls shall be at the accumulator.

3. CASING & CEMENTING PROGRAM:

A. The proposed casing program will be as follows:

Depth	Hole Size	Size	Grade	Weight	Thread	Condition
0-400'	12-1/4"	8-5/8"	K-55	24#	LT&C	New
0-TD	7-7/8"	4-1/2"	N-80	11.6#	LT&C	New

The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics.

All casing, except conductor casing, shall be new or reconditioned and tested. Used casing shall meet or exceed API standards for new casing.

The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing. If drive pipe is used, it may be left in place if its total length is less than twenty feet below the surface. If the total length of the drive pipe is equal to or greater

than twenty feet, it will be pulled prior to cementing surface casing, or it will be cemented in place.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

The bottom three joints of the surface casing will have one centralizer per joint and one centralizer every fourth joint thereafter.

Casing design subject to revision based on geologic conditions encountered.

B. The proposed cementing program will be as follows:

Surface String: Cement will be circulated to surface. Estimated volume (100% over theoretical value):

290 sx Premium Plus, 2% CaCl₂ w/0.25 #/sx Flocele @ 15.6 ppg, 1.19 ft³/sx.

Production String: Estimated volume (gauge hole + 15%):

Lead: 450 sx Hifill @ 11.0 ppg, 3.84 ft³/sx.

Tail: 1289 sx 50/50 POZ @ 14.35 ppg, 1.26 ft³/sx.

Actual volumes will be calculated and adjusted with caliper log prior to cementing. Ten percent excess will be pumped.

For surface casing, waiting on cement time will be adequate to achieve 500 psi compressive strength at the casing shoe prior to drilling out.

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The Vernal District BLM Office will be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

After cementing the surface pipe and/or any intermediate strings, but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the Driller's Log.

4. DRILLING FLUIDS PROGRAM:

Interval	Type	Weight (ppg)	Viscosity	pH	Water Loss	Remarks
0-400'	Spud	8.4 -9.0	30-45+	8.0	NC	Gel & lime as required.
400'-Top of Wasatch	Wtr/gel	8.4-8.8	27-35	8.5-9.0	NC	Min. Wt.
Top of Wasatch-TD	KCL Mud	8.5-8.8*	35-45	9.0-11.0	10-15cc @ TD	* Min Wt. to control formation pressure.

NC = no control

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

5. EVALUATION PROGRAM:

Logs: DLLT/GR: TD to base surface casing
SDL/DSN/GR/CAL: TD to 300' above Green River
MRIL: TD to 100' above Wasatch
(at operators discretion)

Cores: None anticipated.

DST's: None anticipated.

When cement has not been circulated to surface, the cement top will be determined by either a temperature survey or cement bond log. Should a temperature survey fail to locate the cement top, a cement bond log will be run. A field copy will be submitted to the Vernal BLM office.

Drill stem tests, if they are run, will adhere to the following requirements:

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the Authorized Officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor-proof for safe operations). Packers can

be released, but tripping shall not begin before daylight, unless prior approval is obtained from the Authorized Officer. Closed chamber DST's may be performed day or night.

Some means of reverse circulation shall be provided in case of flow to the surface showing evidence of hydrocarbons.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to be operational during the test shall have spark arresters or water-cooled exhausts.

6. ABNORMAL CONDITIONS:

No anticipated abnormal pressures or temperatures are expected to be encountered. No hydrogen sulfide is expected.

Anticipated bottom-hole pressure is 3794 psi.

7. OTHER INFORMATION:

The anticipated starting date and duration of the operation will be as follows:

Starting Date:	Upon Approval
Duration:	11 Drilling Days & 7 Completion Days

If the well is completed as a dry hole or as a producer, Well Completion or Recompletion Report and Log (Form 3160-4) will be submitted within 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3160. Copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, daily drilling reports, daily completion reports, and all other surveys or data obtained and compiled during the drilling, completion, and/or workover operations, will be submitted directly to the Authorized Officer or filed with Form 3160-4.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

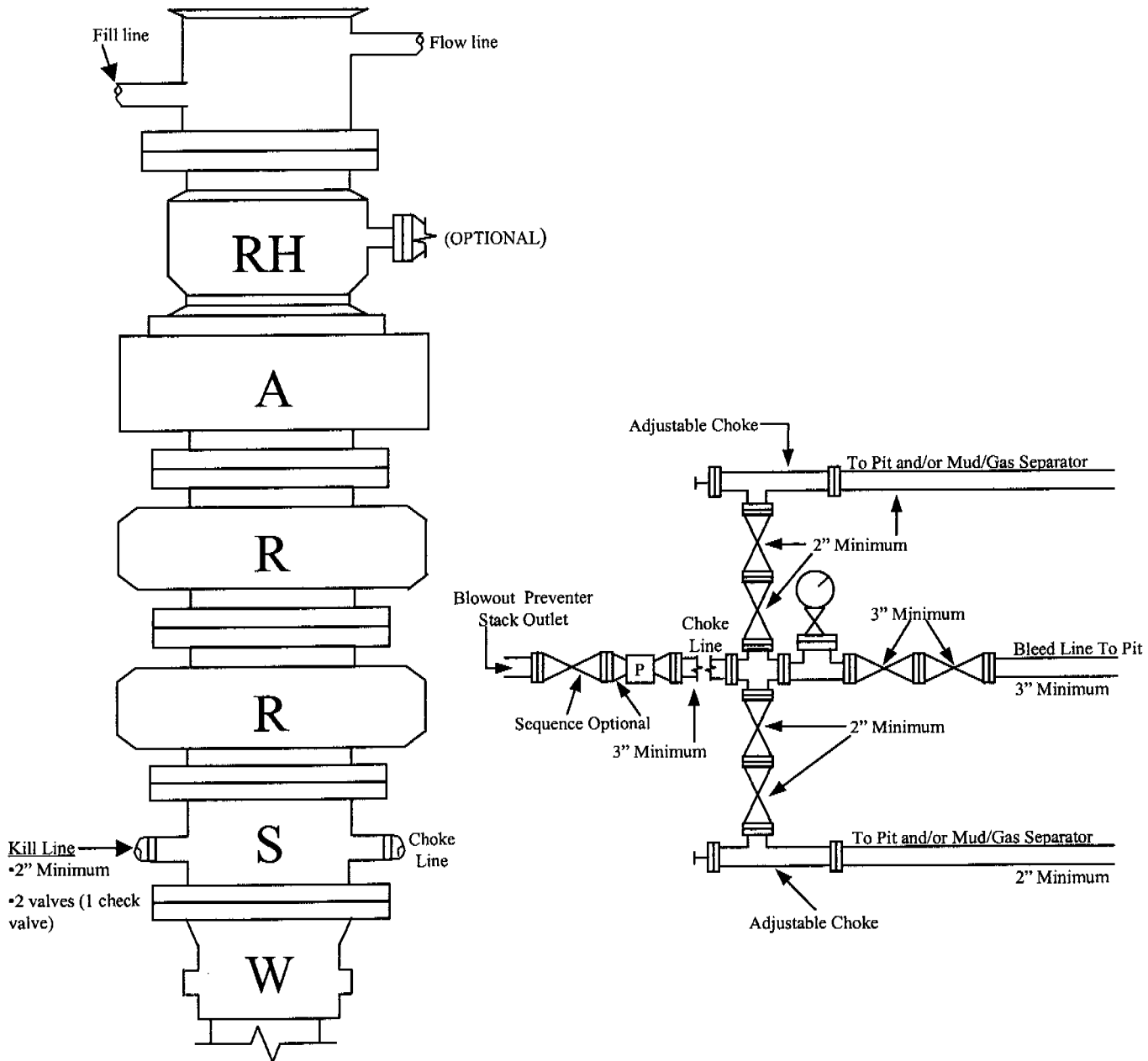
Deviations from the proposed drilling and/or workover program will be approved by the Authorized Officer. Safe drilling and operating practices will be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders No. 1 and No. 2, and the approved Plan of Operations. The Operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

DOUBLE RAM TYPE PREVENTERS WITH AN OPTIONAL ROTATING HEAD

5000 psi system



* Note: Kill line shall be 2" minimum diameter and have two valves, one of which shall be a check valve. Both valves: 2" minimum.

Minimum BOP Stack

One Pipe Ram

One Blind Ram

One Annular

Well Head

Manifold

5000 psi Working Pressure

5000 psi Working Pressure

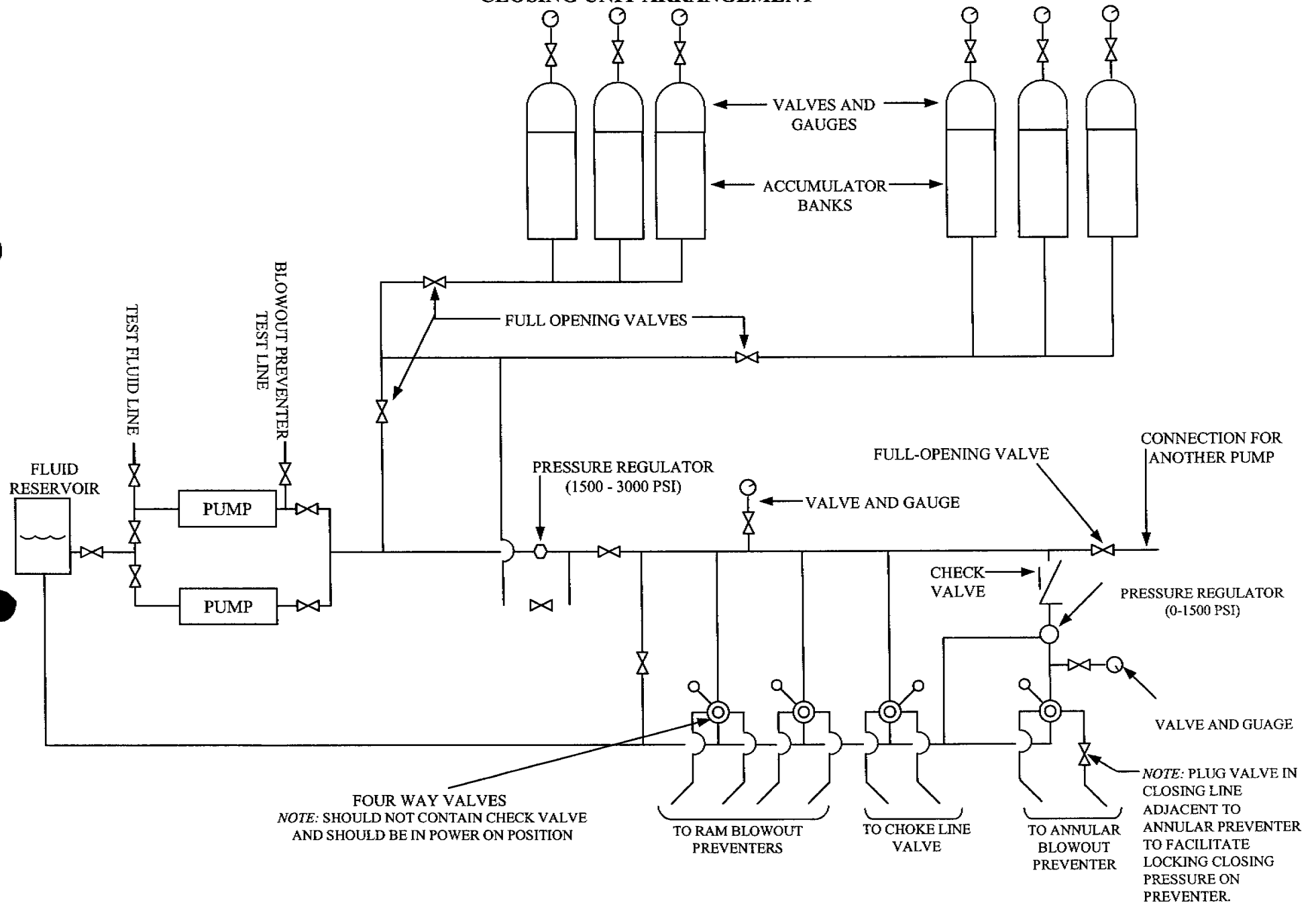
5000 psi Working Pressure

5000 psi Working Pressure

5000 psi Working Pressure

5000 psi Working Pressure

TYPICAL BLOWOUT PREVENTER CLOSING UNIT ARRANGEMENT



PANNONIAN ENERGY, INC.

***Federal 32-31-9-19
SWNE, Section 31-T9S-R19E
Uintah County, Utah
Lease No. UTU-76489***

SURFACE USE PLAN

An onsite inspection for the subject well was conducted on June 26, 2001. Weather conditions at the time of the onsite inspection were overcast and windy. In attendance were the following individuals:

Stan Olmstead – Bureau of Land Management
Robert Kay – Uintah Engineering & Land Surveying
Robin Dean – Pannonian Energy, Inc.
Kelly Olds – Halliburton Integrated Solutions
Sheila Bremer – Halliburton Integrated Solutions

1. EXISTING ROADS:

Refer to Topo Maps A and B for location of existing access roads.

See Topo Map A for directions to the proposed location from Myton, Utah.

The existing roads will be maintained and kept in good repair.

2. ACCESS ROADS TO BE CONSTRUCTED:

Approximately 1.2 miles of new road will be required to access the proposed location.

The proposed access road was centerline staked.

The new road will be completed as a single lane 18-foot subgrade road with natural low water crossings (see Topo Map B).

Maximum grade will be less than eight percent.

There are no major cuts or fills, turnouts, or bridges anticipated along the proposed access route.

No gates, cattleguards, fence cuts, or modifications to existing facilities will be required on or along the proposed access route.

The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along the access road route.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

The access road and associated drainage structures will be constructed and maintained in accordance with roading guidelines contained in the joint BLM/USFS publication: *Surface Operating Standards for Oil and Gas Exploration and Development*, Third Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

If the access road is dry during construction, drilling, and completion activities, water will be applied to the access road to help facilitate road compaction (during construction) and to minimize soil loss as a result of wind erosion.

3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See Topo Map C.

- Water wells – 0
- Abandoned wells – 0
- Temporarily Abandoned wells – 0
- Disposal wells – 0
- Drilling/Proposed wells – 0
- Producing wells – 2
- Shut-in wells – 0
- Injection wells – 0
- Monitoring wells – 0

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope.

Containment berms will be constructed completely around production facilities designed to hold fluids (i.e., production tanks, produced water tanks, and/or heater/treater). The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 110 percent of the capacity of the largest tank, and be independent of the back cut.

All loading lines will be placed inside the berm surrounding the tank battery.

All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted Carlsbad Canyon (Munsell standard color 2.5y 6/2).

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flow line will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be

conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The Authorized Officer will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the Authorized Officer.

5. LOCATION AND TYPE OF WATER SUPPLY:

Water for drilling will be obtained from the Dalbo Ouray Water Facility located in Section 32-T4S-R3E, Water Use Claim #43-8496, Application #53617. No water supply well will be drilled.

The water will be transported to location via truck by an approved commercial water hauler over the access roads shown on Topo Maps A and B.

6. SOURCE OF CONSTRUCTION MATERIALS:

Surface and subsoil materials in the immediate area will be utilized. Any construction materials that may be required for surfacing of the drill pad and access road will be obtained from a contractor having a permitted source of materials within the general area.

The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

No construction materials will be removed from Federal lands without prior approval.

7. METHODS OF HANDLING WASTE DISPOSAL:

Cuttings and drilling fluids will be contained in the reserve pit.

Tanks will be used for storage of produced fluids during testing. Fracture stimulation fluids will be flowed back into the reserve pit for evaporation.

Portable, self-contained chemical toilets will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to disposal of human and solid waste will be complied with.

All garbage and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage. Upon completion of operations, or as needed, the accumulated trash will be transported to a state approved waste disposal site. No trash will be placed in the reserve pit.

Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location. Any open pits will be fenced

during drilling operations and said fencing will be maintained until such time as the pits have been backfilled.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location will be submitted for the Authorized Officer's approval.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

Operator maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

8. ANCILLARY FACILITIES:

None anticipated.

9. WELL SITE LAYOUT:

A. General Information:

See the attached *Location Layout* and *Typical Cross Sections* diagrams showing the proposed drill pad cross sections and cut and fills in relation to topographic features as well as access onto the pad and soil stockpiles.

See the attached *Typical Rig Layout* diagram showing the location of the reserve pit, flare pit, living facilities, and rig orientation with respect to the pad and other facilities.

If necessary, in order to divert surface runoff, a drainage ditch will be constructed around the upslope side of the well site.

All equipment and vehicles will be confined to the approved disturbed areas of this APD (i.e., access road, well pad, and spoil and topsoil storage areas).

The fill section of the pad that supports the drilling rig and any other heavy equipment will be compacted.

B. Reserve Pit:

The reserve pit will be constructed in a way that minimizes the accumulation of surface precipitation runoff into the pit. This may be accomplished by appropriate placement of subsoil/topsoil storage areas and/or construction of berms or ditches.

The reserve pit will be fenced on three sides during drilling operations and the fourth side will be fenced after the drilling rig moves off the location. Thirty-nine (39) inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire will not be used if pipe or some type of reinforcement rod is attached to the top of the entire fence. The net wire will be no more than two inches above the ground. The barbed wire will be three inches over the net wire. Total height of the fence will be at least 42 inches. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the corner braces. Maximum distance between any 2 fence posts will not be greater than 16 feet. All wire will be stretched using a stretching device before it is attached to the corner posts.

Siphons, catchments, and/or absorbent pads will be installed to keep hydrocarbons produced by the drilling rig from entering the reserve pit. Hydrocarbons and contaminated pads will be disposed of in accordance with DEQ requirements.

The reserve pit will be backfilled as soon as dry after drilling and completion operations are finished. If natural evaporation of the reserve pit is not feasible, alternative methods of drying, removal of fluids, or other treatment will be developed. If fluids will be disposed of by any method other than evaporation or hauling to a DEQ approved disposal pit, prior approval from the Authorized Officer will be obtained.

If a liner is required, then the reserve pit will be lined with a synthetic liner. The reserve pit bottom and side walls shall be void of any sharp rocks that could puncture the liner. The liner will be installed over smooth fill subgrade that is free of pockets, loose rocks, or other materials (i.e. sand, sifted dirt, or bentonite) that could damage the liner. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place.

10. PLANS FOR RECLAMATION OF THE SURFACE:

Producing Location:

- Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.
- If a synthetic, nylon reinforced, liner is used, the excess liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the reserve pit. Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled.
- Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

- The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, weather permitting. This will be completed by backfilling and crowning the pit to prevent water from standing.
- Seeding will be performed immediately after the location has been reclaimed and the pit has been backfilled, regardless of the time of year. The Bureau of Land Management will specify a seed mixture. Seed will be broadcast and walked in with a dozer. The topsoil stockpile will be seeded as soon as the location has been constructed with the same recommended seed mix.

Dry Hole/Abandoned Location:

- On lands administered by the BLM, abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.
- All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. SURFACE OWNERSHIP:

Surface ownership of the proposed location is as follows:

Well Site & Access Road: Bureau of Land Management

12. OTHER INFORMATION:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

The Operator will control noxious weeds along right-of-ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides or other pesticides or possibly hazardous chemicals.

Drilling rigs and/or equipment used during drilling operations on this location will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. If BLM authorization is obtained, such storage is only a temporary measure.

The Operator is responsible for informing all persons in the area who are associated with this project that they may be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in the archaeological report, and to the existing roadways and/or evaluated access routes. If historic or archaeological materials are uncovered during construction, the Operator is to immediately stop work that might further disturb such materials and contact the Authorized Officer. Within five working days, the Authorized Officer will inform the Operator as to:

- whether the materials appear eligible for the National Historic Register of Historic Places;
- the mitigation measures the Operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.
- If the Operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise the Operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the Operator will then be allowed to resume construction.

A Class III archeological survey has been conducted by Metcalf Archeological Consultants. No significant cultural resources were found and clearance is recommended. Metcalf Archeological Consultants will submit a copy of this report to the appropriate agencies.

13. LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Mike Decker
Pannonian Energy, Inc.
14 Inverness Drive East
Suite H-236
Englewood, Colorado 80112-5625
(303) 204-3880

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Pannonian Energy, Inc., and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

7-5-01
Date

Howard A. Sharpe
Howard Sharpe, Vice President

PANNONIAN ENERGY, INC.

FEDERAL #32-31-9-19

LOCATED IN UINTAH COUNTY, UTAH

SECTION 31, T9S, R19E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

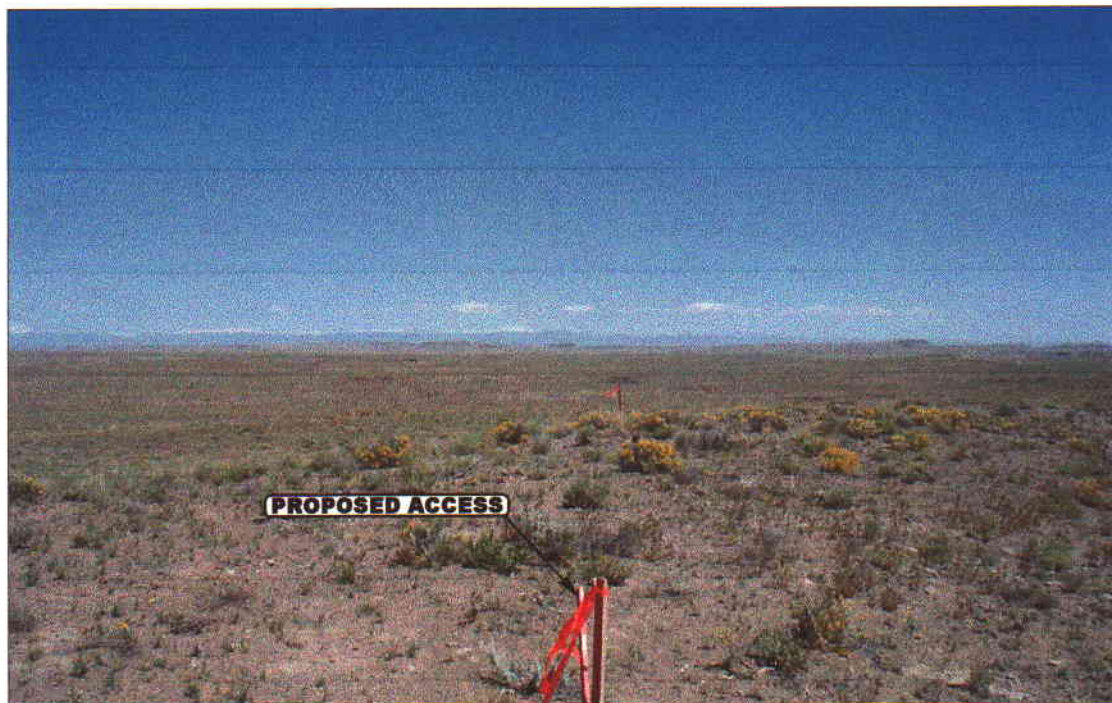


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTH EASTERLY



- Since 1964 -

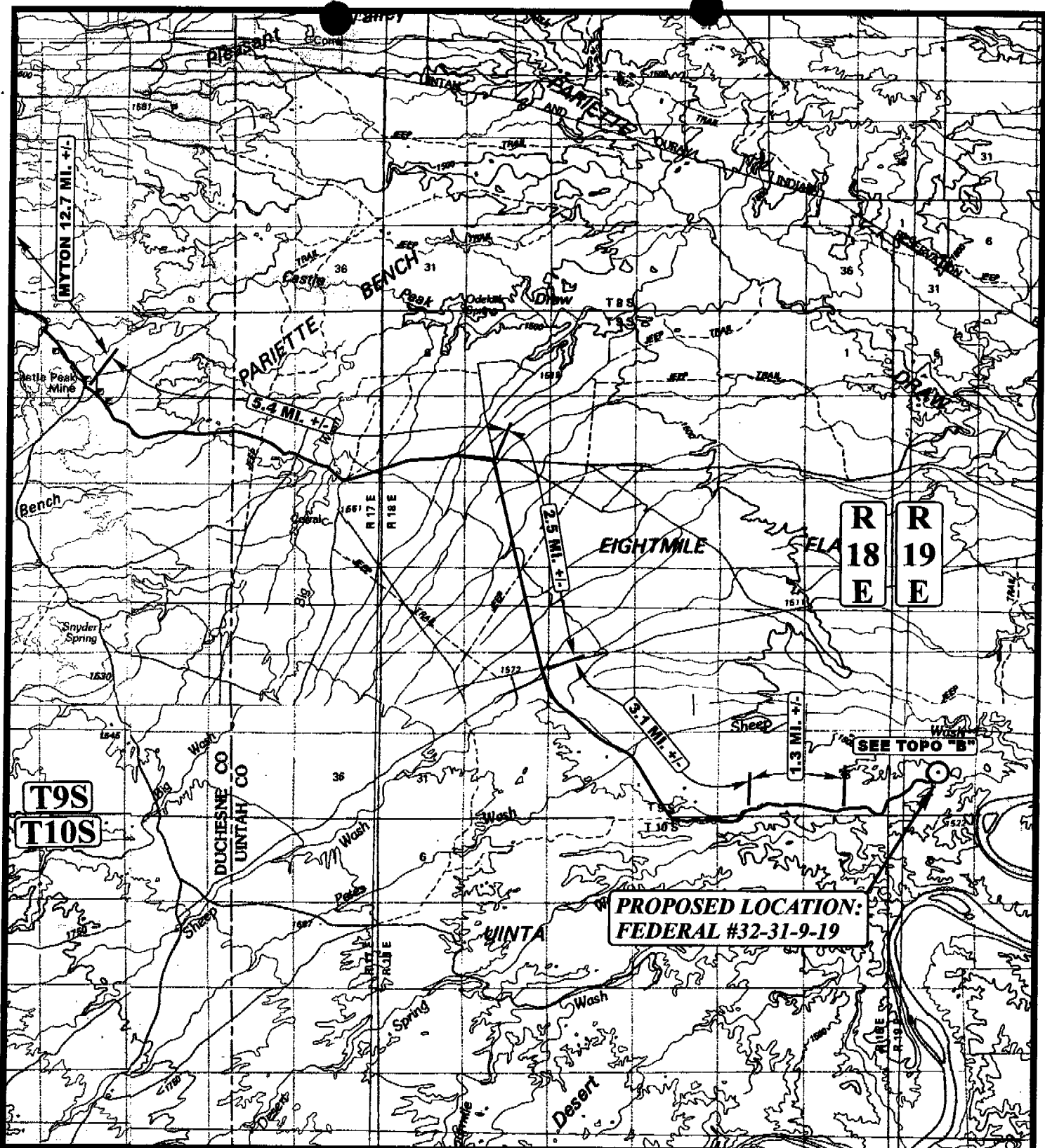
UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

6 11 01
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A. DRAWN BY: K.G. REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION

N

PANNONIAN ENERGY, INC.

FEDERAL #32-31-9-19

SECTION 31, T9S, R19E, S.L.B.&M.

1980' FNL 1980' FEL



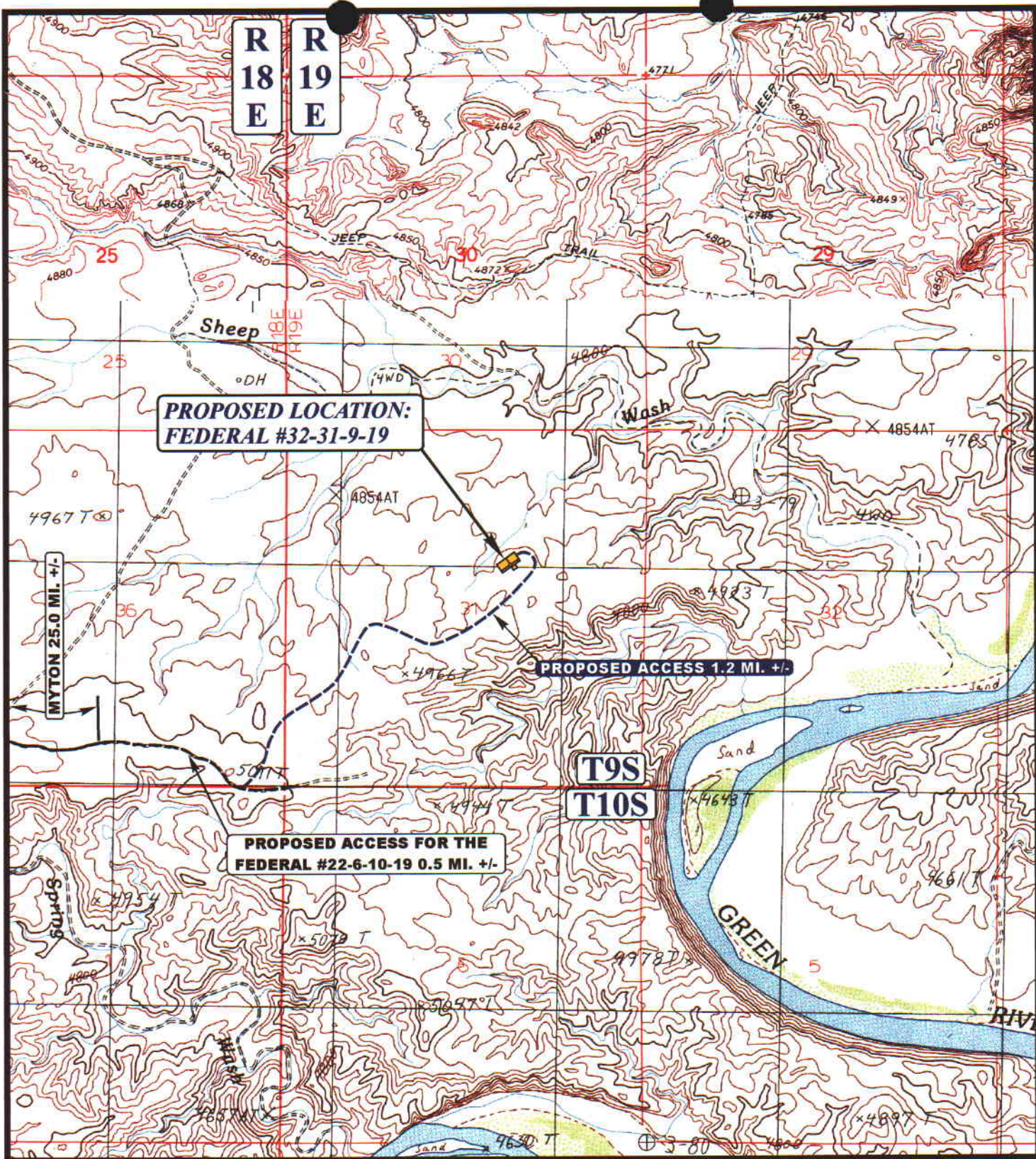
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

6 11 01
MONTH DAY YEAR

A
TOPO

SCALE: 1:100,000 DRAWN BY: K.G. REVISED: 00-00-00



LEGEND:

- PROPOSED ACCESS ROAD
 _____ EXISTING ROAD



PANNONIAN ENERGY, INC.

**FEDERAL #32-31-9-19
 SECTION 31, T9S, R19E, S.L.B.&M.
 1980' FNL 1980' FEL**



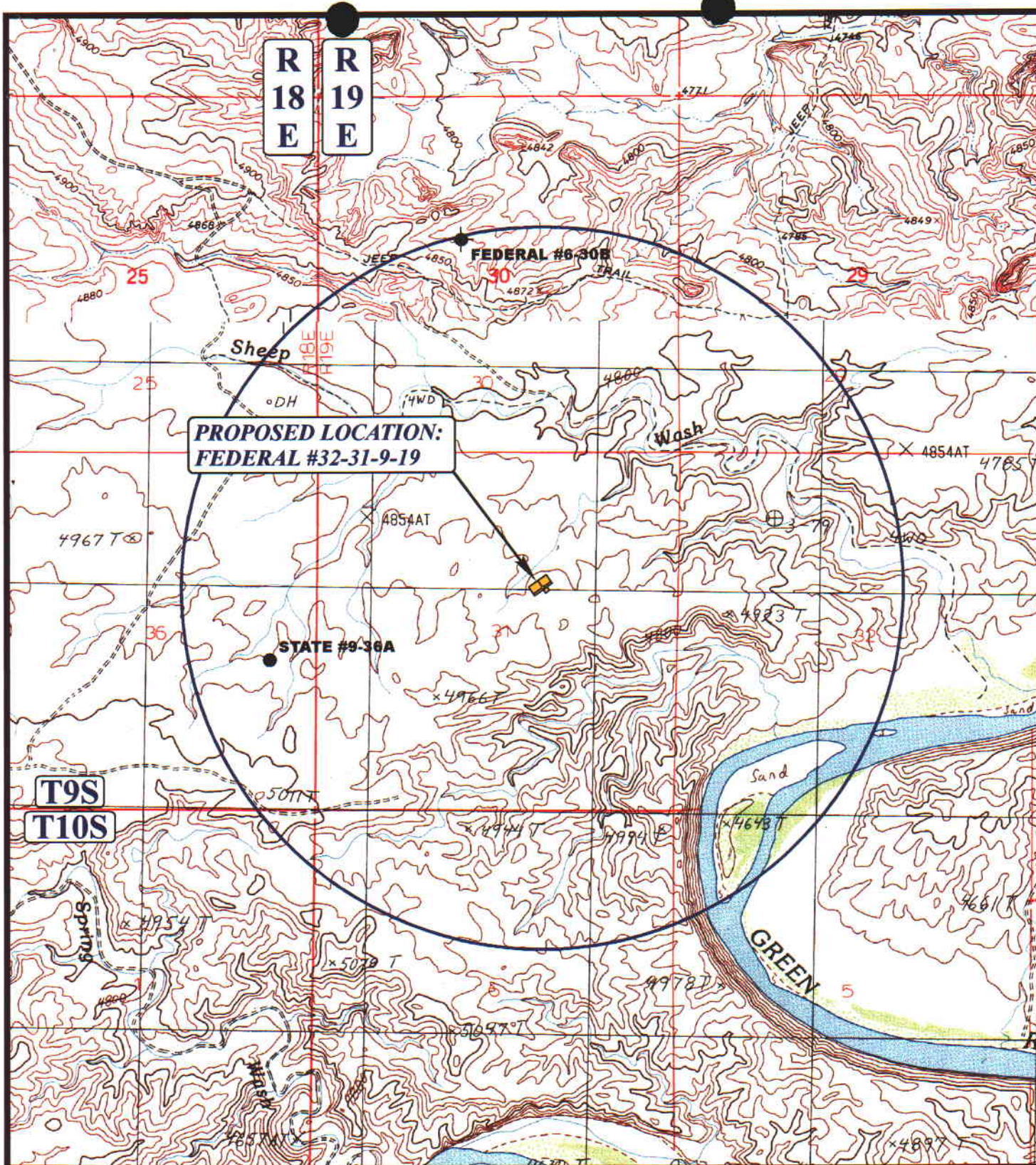
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
 MAP**

6 11 01
 MONTH DAY YEAR

**B
 TOPO**

SCALE: 1"=2000' DRAWN BY: K.G. REVISED: 00-00-00



LEGEND:

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ♂ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

PANNONIAN ENERGY, INC.

FEDERAL #32-31-9-19
SECTION 31, T9S, R19E, S.L.B.&M.
1980' FNL 1980' FEL

TOPOGRAPHIC
MAP

6 **11** **01**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 00-00-00



85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

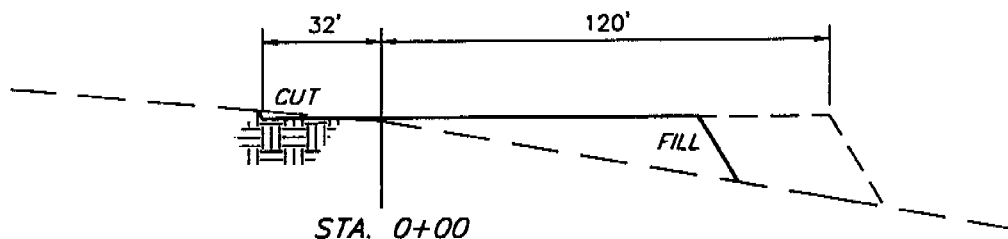
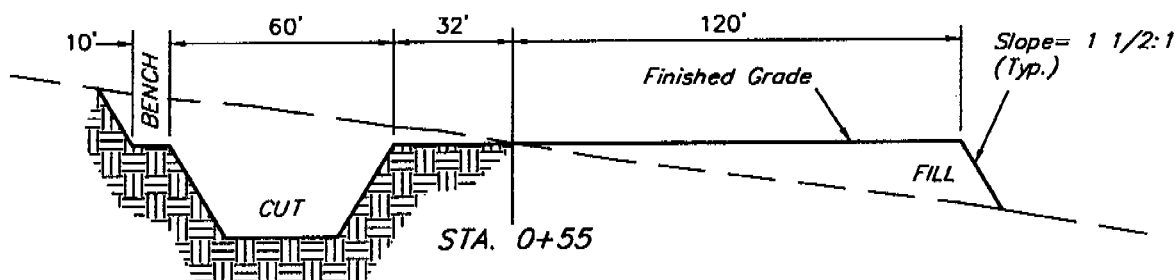
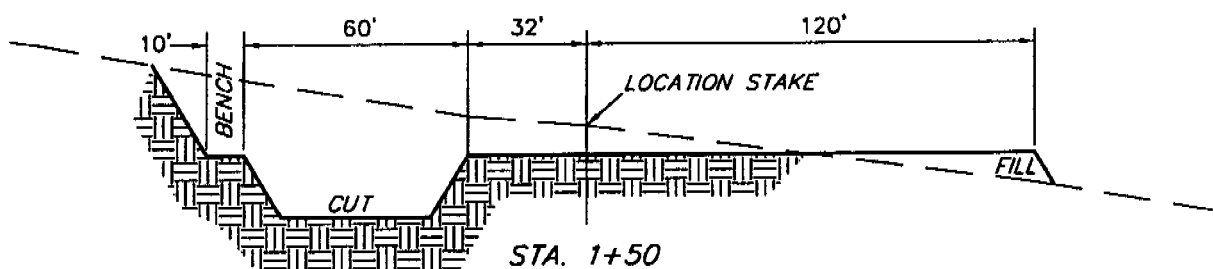
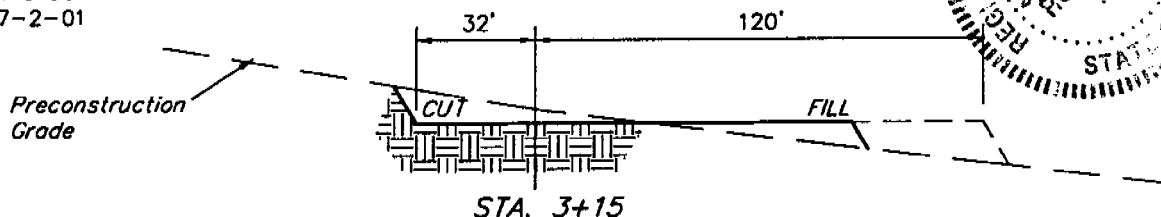
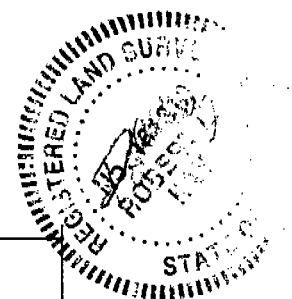
PANNONIAN ENERGY, INC.

TYPICAL CROSS SECTION FOR

FEDERAL #32-31-9-19
SECTION 31, T9S, R19E, S.L.B.&M.
1980' FNL 1980' FEL

1" = 20'
X-Section
Scale
1" = 50'

DATE: 6-11-01
DRAWN BY: D.COX
Revised: 7-2-01



APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,070 Cu. Yds.
Remaining Location = 4,730 Cu. Yds.
TOTAL CUT = 5,800 CU.YDS.
FILL = 3,650 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 1,960 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 1,960 Cu. Yds.
EXCESS UNBALANCE
(After Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/11/2001

API NO. ASSIGNED: 43-047-34201

WELL NAME: FED 32-31-9-19

OPERATOR: PANNONIAN ENERGY INC (N1815)

CONTACT: HOWARD SHARPE

PHONE NUMBER: 303-483-0044

PROPOSED LOCATION:

SWNE 31 090S 190E

SURFACE: 1980 FNL 1980 FEL

BOTTOM: 1980 FNL 1980 FEL

UINTAH

PARIETTE BENCH (640)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76489

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSTC

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4127759)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 43-8496)

☒ RDCC Review (Y/N)
(Date:)

☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

☐ R649-2-3. Unit

☒ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☐ R649-3-3. Exception

☐ Drilling Unit

Board Cause No:

Eff Date:

Siting:

☐ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1-Fed. Aprvl.

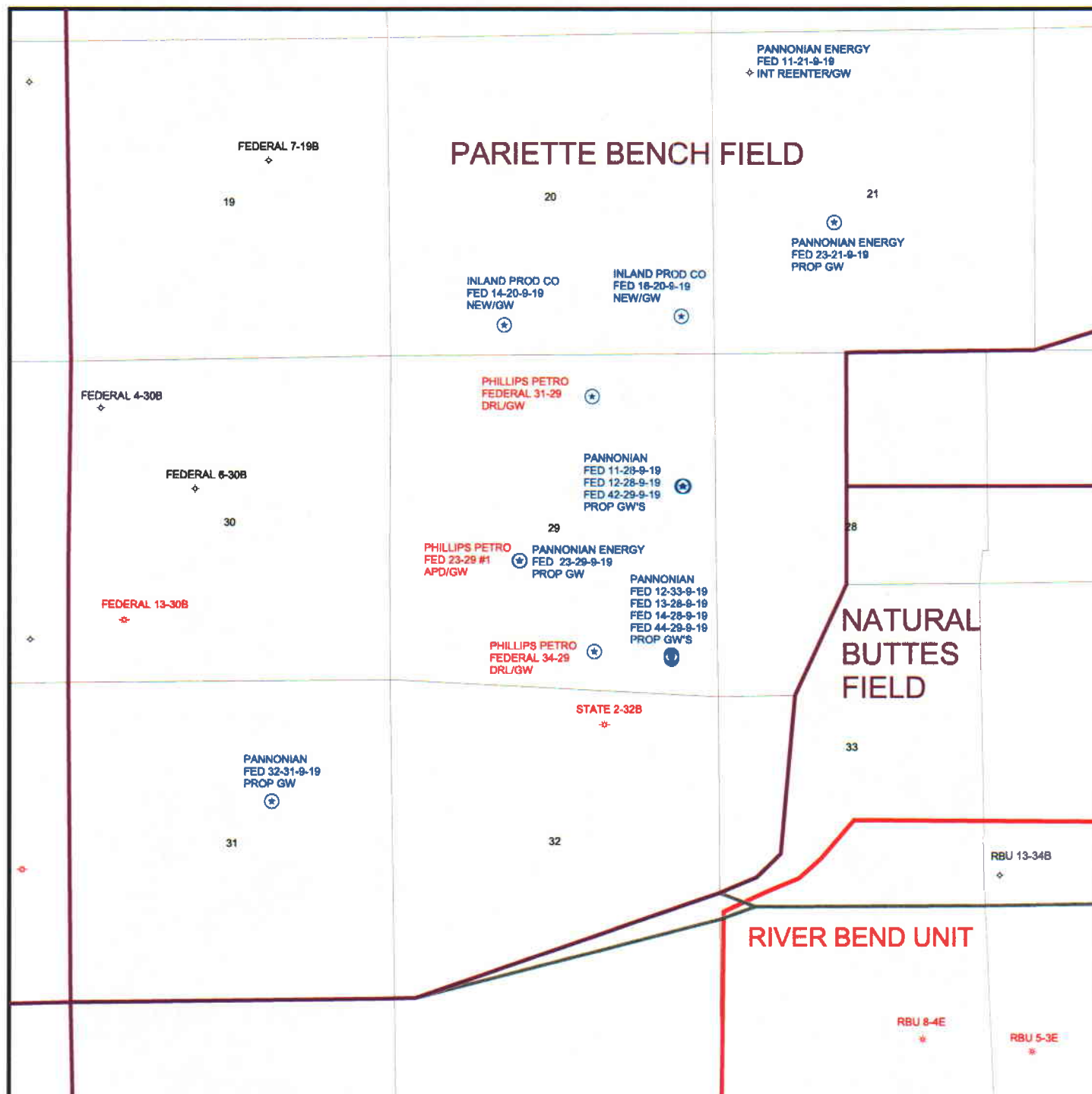


OPERATOR: PANNONIAN ENERGY (N1815)

SEC. 31, T9S, R19E

FIELD: PARIETTE BENCH (640)

COUNTY: UINTAH SPACING: R649-3-2/GEN ST





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

August 6, 2001

Pannonian Energy, Inc.
14 Inverness Dr. E
Englewood, CO 80112

Re: Federal 32-31-9-19 Well, 1980' FNL, 1980' FEL, SW NE, Sec. 31, T. 9 South,
R. 19 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34201.

Sincerely,

John R. Baza
Associate Director

er

Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Pannonian Energy, Inc.
Well Name & Number Federal 32-31-9-19
API Number: 43-047-34201
Lease: UTU 76489

Location: SW NE **Sec.** 31 **T.** 9 South **R.** 19 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas
☐ WELL ☒ Well ☐ Other

2. Name of Operator

GASCO ENERGY, INC. dba PANNONIAN ENERGY INC.

3. Address and Telephone No.

14 INVERNESS DR. E., ENGLEWOOD, CO 80112 (303)483-0044

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2162' FNL 1857' FEL (SW/NE) 4426956 Y 39.98867
SECTION 31, T9S, R19E 600731 X -109.82016

FORM APPROVED

Bureau No. 1004-0135

Expires September 30, 1990

5. Lease Designation and Serial No.

UTU-76489

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A., Agreement Designation

8. Well Name and No.

FEDERAL 32-31-9-19

9. API Well No.

43-047-34201

10. Field and Pool or Exploratory Area

RIVERBEND

11. County

State

UINTAH

UTAH

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ NOTICE OF INTENT
☐ SUBSEQUENT REPORT
☐ FINAL ABANDONMENT NOTICE

TYPE OF ACTION

☐ ABANDONMENT
☐ RECOMPLETION
☐ PLUGGING BACK
☐ CASING REPAIR
☐ ALTERING CASING
☒ OTHER: Requesting extension of permit to drill
☐ CHANGE OF PLANS
☐ NEW CONSTRUCTION
☐ NON-ROUTINE FRACTURING
☐ WATER SHUT-OFF
☐ CONVERSION TO INJECTION

(Note: Report results of multiple completion on Well Completions
or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

GASCO ENERGY, INC. dba PANNONIAN ENERGY INC. is requesting that the APD for the subject well be extended for one year

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 08-19-02

By: [Signature]

14. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Agent

DATE 8/13/2002

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

AUG 14 2002

DIVISION OF
OIL, GAS AND MINING

ORIGINAL
RECEIVED

RECEIVED

JUL 11 2001

APR 26 2002

Form 3160-3
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

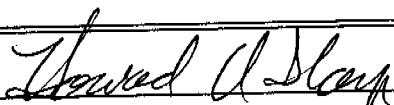
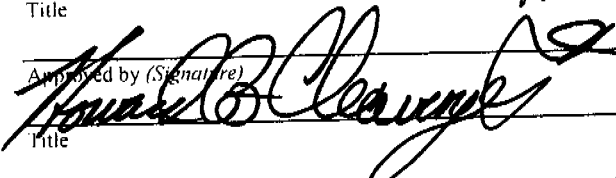
FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76489
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Gasco Energy, Inc. dba Pannonian Energy Inc.		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 14 Inverness Dr. E., Englewood, CO 80112		8. Lease Name and Well No. Federal 32-31-9-19
3b. Phone No. (include area code) (303) 483-0044		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 1980' FNL & 1980' FEL (SWNE) At proposed prod. Zone 2162' FNL 1357' FEL		10. Field and Pool, or Exploratory Riverbend
14. Distance in miles and direction from nearest town or post office* Approximately 26.2 miles from Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Section 31-T9S-R19E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1980'	16. No. of Acres in lease 1136.8	17. Spacing Unit dedicated to this well 40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See Map C	19. Proposed Depth 12,500	20. BLM/BIA Bond No. on file Surity Bond # 4127759, BLM # 1233
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4883' GL	22. Approximate date work will start* Upon Approval	23. Estimated duration 45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) Howard Sharpe	Date
Title	Vice President	
Approved by (Signature) 	Name (Printed/Typed)	Date 08/03/2002
Title	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

AUG 15 2002

DIVISION OF
OIL, GAS AND MINING

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Pannonian Energy, Inc.

Well Name & Number: Federal 32-31-9-19

API Number: 43-047-34201

Lease Number: U-78443

Location: SWNE Sec. 31 T.9S R. 19E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

1. **DRILLING PROGRAM**

1. **Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered**

Report ALL water shows and water-bearing sands to John Mayers of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

3. Casing Program and Auxiliary Equipment

In addition to the cementing proposal for the surface casing, Class G neat cement shall be placed within the surface casing-conductor annulus from the surface down to a minimum of 200'

4. Mud Program and Circulating Medium

None

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

To evaluate cement quality across the usable water zone, a Cement Bond Log will be required from the surface casing shoe to the base of the conductor pipe.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped

from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Written notification of such must be submitted to this office not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform to Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874
Petroleum Engineer

Kirk Fleetwood (435) 828-7875
Petroleum Engineer

BLM FAX Machine (435) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

CONDITIONS OF APPROVAL FOR THE SURFACE USE PROGRAM

Location and Type of Water Supply:

Your permit to drill identified that the Dalbo Ouray Water facility would be used as the water supply for drilling. If any other water source is necessary it will require additional approval by the authorized officer of the Vernal Field Office.

Source of Construction Materials:

Only subsurface soils will be used for construction. All top soils will be stockpiled and identified in the APD for future reclamation of disturbed areas.

Plans For Reclamation of Location:

All seeding for reclamation operations at this location shall use the following seed mixture:

Gardners saltbush	Atriplex gardneri	3 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre
mat salt bush	Atriplex corrugata	3 lbs/acre
galleta grass	Hilaria jamesii	3 lbs/acre

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

Other Information:

At the time of construction of the access road and well location the operator shall contact the authorized office of the Vernal Field office and have the dirt worker performing the construction meet on site to identify the location of known Special Status Plant species in the area to assure workers do not impact these plants. Uintah Basin hooklees cactus are located immediately to the east of the location and along the access road about 300 feet west of the location.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FOR APPROVED
Budget Bureau No. 1004-0135
Expires September 30, 1990

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well Oil <input type="checkbox"/> WELL Gas <input checked="" type="checkbox"/> Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Lease Designation and Serial No. UTU-76489
2. Name of Operator GASCO ENERGY, INC. dba PANNONIAN ENERGY INC.		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 14 INVERNESS DR. E., ENGLEWOOD, CO 80112 (303)483-0044		7. If Unit or C.A., Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2162' FNL 1857' FEL (SW/NE) SECTION 31, T9S, R19E		8. Well Name and No. FEDERAL 32-31-9-19
		9. API Well No. 43-047-34201
		10. Field and Pool or Exploratory Area RIVERBEND
		11. County State UINTAH UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT	<input type="checkbox"/> ABANDONMENT	<input type="checkbox"/> CHANGE OF PLANS
<input type="checkbox"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION	<input type="checkbox"/> NEW CONSTRUCTION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK	<input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> ALTERING CASING	<input type="checkbox"/> CONVERSION TO INJECTION
	<input checked="" type="checkbox"/> OTHER: Requesting extension of permit to drill	
(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)		

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

GASCO ENERGY, INC. dba PANNONIAN ENERGY INC. is requesting that the APD for the subject well be extended for one year

RECEIVED
AUG 13 2002
SEP 04 2002
DIVISION OF
OIL, GAS AND MINING
CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Agent DATE 8/13/2002

(This space for Federal office use)

APPROVED BY [Signature] TITLE Petroleum Engineer DATE 8/26/02

CONDITIONS OF APPROVAL, IF ANY:

Gasco Energy, Inc dba Pannonian Energy Inc.
APD Extension

Well: 32-31-9-19

Location: SWNE Sec. 31, T9S, R19E

Lease: UTU 76489

CONDITIONS OF APPROVAL

An extension for the referenced APD is granted with the following conditions:

1. The extension will expire August 3, 2003
2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood at (435) 781-4486.

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SEP 04 2002

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Gasco Energy/Pannonian Energy Inc.
Address: 14 Inverness Dr. East Suite H-236
city Englewood
state CO zip 80112-5625

Operator Account Number: N 1815

Phone Number: (303) 483-0044

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304734607	Lytham Federal 22-22-9-19		senw	22	9s	19e	Utah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	13640	10/13/2002			10-30-02	
Comments: New Well							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304734201	Federal 32-31-9-19		swne	31	9s	19e	Utah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	13641	10/20/2002			10-30-02	
Comments: New Well							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments: <div align="center">RECEIVED OCT 30 2002</div>							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

DIVISION OF
OIL, GAS AND MINING

Name (Please Print) D. Longwell

Signature *D. Longwell*
Operations Manager

Title

10/28/2002

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No. 99
UTU-78438

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
Federal 32-31-9-19

9. API Well No.
43-047-34201

10. Field and Pool, or Exploratory Area
Riverbend

11. County or Parish, State
Uintah County, Utah

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Pannonian Energy, Inc. (a wholly-owned subsidiary of GASCO ENERGY)

3a. Address
14 Inverness Drive E., Ste. H-236, Englewood, CO 80112

3b. Phone No. (include area code)
303-483-0044

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**2162' FNL & 1857' FEL (SWNE)
Section 31, T09S-R19E**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Pannonian Energy would like to amend the drilling plan to show an 11" hole being drilled to 3500', and 8 5/8" 32# special drift J-55 ST&C casing being run to 3500'. The surface casing will be cemented with a lead slurry of 410 sxs of Hi-Fill cement mixed at 11ppg, yield =3.83 ft3/sk, followed by 200 sxs of premium cement mixed at 15.8 ppg, yield =1.16, with 2% CaCl. The water will be supplied by the Nebecker Water source in Myton, Utah. Permit #43-1723. Remaining water in the Federal 42-29-9-19 reserve pit will be trucked to this well to help speed the drying and reclamation of the pit.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

John Longwell

Title

Operations Manager

Signature

Date

February 26, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED

MAR 04 2003

DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. 3, T9S, R19E
Uintah County, Utah



43-047-34201
PANVONTIAN ENERGY INC.

Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman , J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

10/8/02 Move in Huffman construction. Unload 2 dozers and a road grader.
Upgrade road across section 36 into section 31. Start pushing location out.
Extremely rocky, can not dig any deeper. Order out 2 rock drills.

10/9/02 Drill 3" holes up to 20' deep all across location. Continue to work on
access road. Fence off hookless cactus to prevent damage to them.

10/10/02 Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases
of dynamite.

10/11/02 Finish loading holes with explosives, set off blast. Move dozers back in
and push out rubble.

10/12/02 Finish pushing rubble off of location, start digging out pit area.

10/13/02 Finish pushing out pit and smoothing location.

10/14/02 Install pit liner and haul some water in to test liner. OK

10/23/02 MI Junior rathole rig

10/24/02 Drill mouse hole and rathole

10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement
with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

3/2/03 Start moving in CAZA rig #61

3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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MAR 11 2003

DIV OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey $\frac{3}{4}$ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

3/9/03 PO Drilling at 1892'. Drill and survey from 1452' to 1892'. Surveys: 4.75deg at 1498', 4.25deg at 1578', 1.25deg at 1658', 0.5deg at 1748', 0.5deg at 1874'. WOB 20K, RPM 120, PP 1450, SPM 107. Mud is water.

3/10/03 PO Fishing for bit at 3008'. Drill from 1892' to 3008' with bit #1. POOH for new bit, bit and XO sub twisted off. WO fishing tools. GIH with fishing tools POOH -no recovery, GIH with 7 $\frac{1}{2}$ " grapple, work over fish, circ gas out. POOH. Surveys: 0.25 deg at 3008'. WOB 40K, RPM 120, SPM 107, GPM 668. Mud is water.

3/11/03 PO Drilling at 3461'. TOO H with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

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MAR 11 2003

DIV. OF OIL, GAS & MINING

Carol Daniels - Fed 32-31-9-19 Drlg Rpt

From: "John Longwell" <jlongwell@gascoenergy.com>
To: "Barbara Calerdine (E-mail)" <bcalerdine@gascoenergy.com>, "Carol Daniels (E-mail)" <CAROLDANIELS@utah.gov>, "Ed Forsman (E-mail)" <Ed_Forsman@blm.gov>, "Frank Syfan (E-mail)" <frank.syfan@halliburton.com>, "John Longwell (E-mail)" <jlongwell2@earthlink.net>, "John O'Donnell (E-mail)" <john.odonnell@halliburton.com>, "Marjorie Rael (E-mail)" <marjorie.rael@halliburton.com>, "Mark Erickson (E-mail)" <merickson@gascoenergy.com>, "Mike Decker (E-mail 2)" <mdecker@gascoenergy.com>, "Mike Decker (E-mail)" <deckermk@aol.com>, "Robert Klebieko (E-mail)" <rklebieko@gascoenergy.com>, "Robin Dean (E-mail)" <rdean@gascoenergy.com>, "Rodney Weathermon (E-mail)" <rodney.weathermon@halliburton.com>, "Spence Flournoy (E-mail)" <mudlog@idcomm.com>, "Steve Thomson (E-mail)" <Steve.Thomson@Halliburton.com>, "Suzie Wright (E-mail)" <swright@gascoenergy.com>, "Thomas Cloud (E-mail)" <tacloud@ppco.com>, "Tom Lantz (E-mail)" <tomas.lantz@halliburton.com>, "W. King Grant (E-mail)" <kgrant@gascoenergy.com>
Date: 03/11/2003 9:12 AM
Subject: Fed 32-31-9-19 Drlg Rpt

NOTE: We plan to set 8 5/8" surface pipe at 3500'. <<Federal 32-31-9-19 Drlg Rpt.doc>>

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MAR 11 2003

DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec.³¹, T9S, R19E
Uintah County, Utah

43-042-34201



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

10/8/02 Move in Huffman construction. Unload 2 dozers and a road grader. Upgrade road across section 36 into section 31. Start pushing location out. Extremely rocky, can not dig any deeper. Order out 2 rock drills.

10/9/02 Drill 3" holes up to 20' deep all across location. Continue to work on access road. Fence off hookless cactus to prevent damage to them.

10/10/02 Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases of dynamite.

10/11/02 Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.

10/12/02 Finish pushing rubble off of location, start digging out pit area.

10/13/02 Finish pushing out pit and smoothing location.

10/14/02 Install pit liner and haul some water in to test liner. OK

10/23/02 MI Junior rathole rig

10/24/02 Drill mouse hole and rathole

10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

3/2/03 Start moving in CAZA rig #61

3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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MAR 12 2003 email

DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey $\frac{3}{4}$ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

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3/11/03 PO Drilling at 3461'. TOOH with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class"G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.

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MAR 12 2003
DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. 3, T9S, R19E
Uintah County, Utah

43-047-34201



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

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3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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MAR 16 2003

B. Rael

DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

3/7/03 Finish rigging up rig #61

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3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class"G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.

3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.

3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

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MAR 14 2003

DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec.³/T9S,R19E
Uintah County, Utah

43-047-34201



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman , J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

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3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

RECEIVED

MAR 17 2003 *Small*

DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S, R19E
Uintah County, Utah

3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey ¾ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

3/9/03 PO Drilling at 1892'. Drill and survey from 1452' to 1892'. Surveys: 4.75deg at 1498', 4.25deg at 1578', 1.25deg at 1658', 0.5deg at 1748', 0.5deg at 1874'. WOB 20K, RPM 120, PP 1450, SPM 107. Mud is water.

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3/11/03 PO Drilling at 3461'. TOOH with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

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3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.

3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

3/15/03 PO Drilling at 4627'. Drill to 4012, survey, POOH and PU bit #4. GIH and drill to 4627'. Bit #3 made 478' in 18.5 hrs. Surveys: 3 deg at 3936', 0.25deg at 4165', 0.5deg at 4479'. RPM 50+, WOB 35K, PP 1200, SPM 107.

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MAR 17 2003

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

- 3/16/03 PO Drilling at 5325'. Drill Green River formation from 4627' to 5325' with bit #4 Surveys: 2deg at 4676', 2deg at 4865', 2deg at 5077', 0.5deg at 5266'. RPM 50+, WOB 30K, PP 1250, SPM 107. Mud is water.
- 3/17/03 PO POOH for new bit at 5869'. Drill Green River and Wasatch formations from 5325' to 5869' with bit #4. Surveys: 0.5deg at 5305', 1.5deg at 5578', 1.5deg at 5816'. RPM 55+, WOB 35K, SPM 107, GPM 337, PP 1250#, mud is water.

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GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. 31, T9S, R19E
Uintah County, Utah

43-047-34261



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

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10/10/02 Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases of dynamite.

10/11/02 Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.

10/12/02 Finish pushing rubble off of location, start digging out pit area.

10/13/02 Finish pushing out pit and smoothing location.

10/14/02 Install pit liner and haul some water in to test liner. OK

10/23/02 MI Junior rathole rig

10/24/02 Drill mouse hole and rathole

10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

3/2/03 Start moving in CAZA rig #61

3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey $\frac{3}{4}$ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

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3/10/03 PO Fishing for bit at 3008'. Drill from 1892' to 3008' with bit #1. POOH for new bit, bit and XO sub twisted off. WO fishing tools. GIH with fishing tools POOH -no recovery, GIH with 7 $\frac{1}{2}$ " grapple, work over fish, circ gas out. POOH. Surveys: 0.25 deg at 3008'. WOB 40K, RPM 120, SPM 107, GPM 668. Mud is water.

3/11/03 PO Drilling at 3461'. TOO H with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class"G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.

3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.

3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

3/15/03 PO Drilling at 4627'. Drill to 4012, survey, POOH and PU bit #4. GIH and drill to 4627'. Bit #3 made 478' in 18.5 hrs. Surveys: 3 deg at 3936', 0.25deg at 4165', 0.5deg at 4479'. RPM 50+, WOB 35K, PP 1200, SPM 107.

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Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

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- 3/18/03 PO POOH for new mud motor. Fin GIH with bit #5, drill Wasatch from 5869' to 6078'. POOH for new mud motor, replace air lines on drum clutch. MW 8.4, Vis 29, RPM 35, WOB 10K, PP 900.

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GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec.³¹, T9S, R19E
Uintah County, Utah

43-047-34201

PANNONIAN ENERGY INC.



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman , J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

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10/11/02	Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.
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10/13/02	Finish pushing out pit and smoothing location.
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10/23/02	MI Junior rathole rig
10/24/02	Drill mouse hole and rathole
10/25/02	Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.
3/2/03	Start moving in CAZA rig #61
3/3/03	SDF Weekend
3/4/03	SDF Weekend
3/5/03	Move in and rig up CAZA rig #61
3/6/03	Move in and rig up CAZA rig #61

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Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

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Drilling Report
Federal #32-31-9-19
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Uintah County, Utah

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- 3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.
- 3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.

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GASCO Energy
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Federal #32-31-9-19
SWNE, Sec.³/T9S,R19E
Uintah County, Utah

43-047-34201
PANNONIAN ENERGY



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

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3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey $\frac{3}{4}$ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

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GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

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- 3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.
- 3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.
- 3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.

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GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec³¹, T9S, R19E
Uintah County, Utah

43-047-34201
PANNOKEAN ENERGY INC.



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

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DIV OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

3/7/03 Finish rigging up rig #61

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Drilling Report
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- 3/22/03 PO Drilling at 8103'. Drill Wasatch formation from 7749' to 8103' with bit #6. MW 8.5, Vis 27, Ph 7.5, RPM 55+, WOB 20K, PP 800, GPM 342.
- 3/23/03 PO TOOH for new bit. Drill Wasatch from 8103' to 8247' with bit #6. Survey 3deg at 8247'. Pump pill, had 4" water flow, weight up to kill flow, POOH. Bit #6 made 792' in 48.5 hours. RPM 60+, WOB 25K, PP 1000, GPM 345.
- 3/24/03 PO Drilling at 8448'. Fin TIH with bit #7, a Security XS-44, Drill Wasatch from 8247' to 8448'. MW 9.2, Vis 34, Ph 8.0, RPM 60+, WOB 35K, PP 1500, GPM 336.
- 3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.
- 3/26/03 PO Drilling at 8940'. Drill Wasatch from 8692' to 8940' with bit #7. MW 8.9, Vis 40, RPM 60+, WOB 45K, PP 1300, SPM 109.

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GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

3/27/03

PO Drilling at 9075'. Drill Wasatch and Mesa Verde from 8940' to 9067' with bit #7, Survey 2 1/4deg at 9040'. TOO H and lay down cracked collar and mud motor, GIH with bit #8, a Security XS-44, and new mud motor, Drill to 9075'. MW 9.0, Vis 40, RPM 55+, WOB 45K, PP 1400, SPM 107. Bit #7 made 820' in 79 hrs.

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DIV OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec 31, T9S, R19E
Uintah County, Utah

43-049-34201
PANHANDLE ENERGY INC



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman , J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

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DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Federal #32-31-9-19
SWNE, Sec. , T9S,R19E
Uintah County, Utah

3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey ¾ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

3/9/03 PO Drilling at 1892'. Drill and survey from 1452' to 1892'. Surveys: 4.75deg at 1498', 4.25deg at 1578', 1.25deg at 1658', 0.5deg at 1748', 0.5deg at 1874'. WOB 20K, RPM 120, PP 1450, SPM 107. Mud is water.

3/10/03 PO Fishing for bit at 3008'. Drill from 1892' to 3008' with bit #1. POOH for new bit, bit and XO sub twisted off. WO fishing tools. GIH with fishing tools POOH –no recovery, GIH with 7 ½" grapple, work over fish, circ gas out. POOH. Surveys: 0.25 deg at 3008'. WOB 40K, RPM 120, SPM 107, GPM 668. Mud is water.

3/11/03 PO Drilling at 3461'. TOOH with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class"G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.

3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.

3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

3/15/03 PO Drilling at 4627'. Drill to 4012, survey, POOH and PU bit #4. GIH and drill to 4627'. Bit #3 made 478' in 18.5 hrs. Surveys: 3 deg at 3936', 0.25deg at 4165', 0.5deg at 4479'. RPM 50+, WOB 35K, PP 1200, SPM 107.

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3/16/03 PO Drilling at 5325'. Drill Green River formation from 4627' to 5325' with bit #4 Surveys: 2deg at 4676', 2deg at 4865', 2deg at 5077', 0.5deg at 5266'. RPM 50+, WOB 30K, PP 1250, SPM 107. Mud is water.

3/17/03 PO POOH for new bit at 5869'. Drill Green River and Wasatch formations from 5325' to 5869' with bit #4. Surveys: 0.5deg at 5305', 1.5deg at 5578', 1.5deg at 5816'. RPM 55+, WOB 35K, SPM 107, GPM 337, PP 1250#, mud is water.

3/18/03 PO POOH for new mud motor. Fin GIH with bit #5, drill Wasatch from 5869' to 6078'. POOH for new mud motor, replace air lines on drum clutch. MW 8.4, Vis 29, RPM 35, WOB 10K, PP 900.

3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.

3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.

3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.

3/22/03 PO Drilling at 8103'. Drill Wasatch formation from 7749' to 8103' with bit #6. MW 8.5, Vis 27, Ph 7.5, RPM 55+, WOB 20K, PP 800, GPM 342.

3/23/03 PO TOOH for new bit. Drill Wasatch from 8103' to 8247' with bit #6. Survey 3deg at 8247'. Pump pill, had 4" water flow, weight up to kill flow, POOH. Bit #6 made 792' in 48.5 hours. RPM 60+, WOB 25K, PP 1000, GPM 345.

3/24/03 PO Drilling at 8448'. Fin TIH with bit #7, a Security XS-44, Drill Wasatch from 8247' to 8448'. MW 9.2, Vis 34, Ph 8.0, RPM 60+, WOB 35K, PP 1500, GPM 336.

3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.

3/26/03 PO Drilling at 8940'. Drill Wasatch from 8692' to 8940' with bit #7. MW 8.9, Vis 40, RPM 60+, WOB 45K, PP 1300, SPM 109.

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- 3/27/03 PO Drilling at 9075'. Drill Wasatch and Mesa Verde from 8940' to 9067' with bit #7, Survey 2 1/4deg at 9040'. TOOH and lay down cracked collar and mud motor, GIH with bit #8, a Security XS-44, and new mud motor, Drill to 9075'. MW 9.0, Vis 40, RPM 55+, WOB 45K, PP 1400, SPM 107. Bit #7 made 820' in 79 hrs.
- 3/28/03 PO Drilling at 9320'. Drill Mesa Verde formation with bit #8 from 9075' to 9320'. MW 9.2, Vis 41, Fl 20.4, Ph 9.0, RPM 55+, WOB 40K, PP1550, SPM 105.
- 3/29/03 PO Repair swivel packing. Drill Mesa Verde from 9320' to 9565' with bit #8, Work on swivel packing . MW 9.2, Vis 42, Fl 21.6, Ph 9.0, RPM 55+, WOB 45, SPM 107.
- 3/30/03 PO TIH with bit #9. Work on swivel packing, POOH to csg shoe, cut wash pipe with welder and install new packing , replace wash pipe, POOH and Magnaflux collars and HWDP, Lay down 13 cracked collars. PU bit #9, a Security XS-44 and 14 collars and GIH. Bit #8 made 499' in 49 hrs.
- 3/3¹₂/03 PO Drilling at 9785'. Fin GIH with bit #9 and drill Mesa Verde formation from 9565' to 9785' with bit #9. MW 9.5, Vis 39, Fl 18, Ph 8, RPM 55+, WOB 45K, PP 1630, SPM 105.

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43-047-34201
PANNONIAN ENERGY INC.



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

10/8/02 Move in Huffman construction. Unload 2 dozers and a road grader. Upgrade road across section 36 into section 31. Start pushing location out. Extremely rocky, can not dig any deeper. Order out 2 rock drills.

10/9/02 Drill 3" holes up to 20' deep all across location. Continue to work on access road. Fence off hookless cactus to prevent damage to them.

10/10/02 Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases of dynamite.

10/11/02 Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.

10/12/02 Finish pushing rubble off of location, start digging out pit area.

10/13/02 Finish pushing out pit and smoothing location.

10/14/02 Install pit liner and haul some water in to test liner. OK

10/23/02 MI Junior rathole rig

10/24/02 Drill mouse hole and rathole

10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

3/2/03 Start moving in CAZA rig #61

3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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- 3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.
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- 4/1/03 PO Drilling at 10043'. Drill Mesa Verde from 9785' to 10043' with bit #9. BGG 50-250 units, MW 9.4, Vis 40, Fl 20.4, Ph 8.0, RPM 55+, WOB 45K, PP 1620, SPM 107.

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43-042-34201
PANNONIAN ENERGY INC.



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10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

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Uintah County, Utah

3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey $\frac{3}{4}$ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

3/9/03 PO Drilling at 1892'. Drill and survey from 1452' to 1892'. Surveys: 4.75deg at 1498', 4.25deg at 1578', 1.25deg at 1658', 0.5deg at 1748', 0.5deg at 1874'. WOB 20K, RPM 120, PP 1450, SPM 107. Mud is water.

3/10/03 PO Fishing for bit at 3008'. Drill from 1892' to 3008' with bit #1. POOH for new bit, bit and XO sub twisted off. WO fishing tools. GIH with fishing tools POOH –no recovery, GIH with 7 1/2" grapple, work over fish, circ gas out. POOH. Surveys: 0.25 deg at 3008'. WOB 40K, RPM 120, SPM 107, GPM 668. Mud is water.

3/11/03 PO Drilling at 3461'. TOOH with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class "G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.

3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.

3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

3/15/03 PO Drilling at 4627'. Drill to 4012, survey, POOH and PU bit #4. GIH and drill to 4627'. Bit #3 made 478' in 18.5 hrs. Surveys: 3 deg at 3936', 0.25deg at 4165', 0.5deg at 4479'. RPM 50+, WOB 35K, PP 1200, SPM 107.

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3/16/03 PO Drilling at 5325'. Drill Green River formation from 4627' to 5325' with bit #4 Surveys: 2deg at 4676', 2deg at 4865', 2deg at 5077', 0.5deg at 5266'. RPM 50+, WOB 30K, PP 1250, SPM 107. Mud is water.

3/17/03 PO POOH for new bit at 5869'. Drill Green River and Wasatch formations from 5325' to 5869' with bit #4. Surveys: 0.5deg at 5305', 1.5deg at 5578', 1.5deg at 5816'. RPM 55+, WOB 35K, SPM 107, GPM 337, PP 1250#, mud is water.

3/18/03 PO POOH for new mud motor. Fin GIH with bit #5, drill Wasatch from 5869' to 6078'. POOH for new mud motor, replace air lines on drum clutch. MW 8.4, Vis 29, RPM 35, WOB 10K, PP 900.

3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.

3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.

3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.

3/22/03 PO Drilling at 8103'. Drill Wasatch formation from 7749' to 8103' with bit #6. MW 8.5, Vis 27, Ph 7.5, RPM 55+, WOB 20K, PP 800, GPM 342.

3/23/03 PO TOOH for new bit. Drill Wasatch from 8103' to 8247' with bit #6. Survey 3deg at 8247'. Pump pill, had 4" water flow, weight up to kill flow, POOH. Bit #6 made 792' in 48.5 hours. RPM 60+, WOB 25K, PP 1000, GPM 345.

3/24/03 PO Drilling at 8448'. Fin TIH with bit #7, a Security XS-44, Drill Wasatch from 8247' to 8448'. MW 9.2, Vis 34, Ph 8.0, RPM 60+, WOB 35K, PP 1500, GPM 336.

3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.

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Uintah County, Utah

PANNONEAN ENERGY INC
43-047-34201



Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips
Petroleum, R. Weathermon, M. Rael

10/8/02	Move in Huffman construction. Unload 2 dozers and a road grader. Upgrade road across section 36 into section 31. Start pushing location out. Extremely rocky, can not dig any deeper. Order out 2 rock drills.	
10/9/02	Drill 3" holes up to 20' deep all across location. Continue to work on access road. Fence off hookless cactus to prevent damage to them.	
10/10/02	Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases of dynamite.	
10/11/02	Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.	
10/12/02	Finish pushing rubble off of location, start digging out pit area.	1-6#
10/13/02	Finish pushing out pit and smoothing location.	2-6#
		3-24
10/14/02	Install pit liner and haul some water in to test liner. OK	
10/23/02	MI Junior rathole rig	
10/24/02	Drill mouse hole and rathole	
10/25/02	Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.	
3/2/03	Start moving in CAZA rig #61	
3/3/03	SDF Weekend	
3/4/03	SDF Weekend	
3/5/03	Move in and rig up CAZA rig #61	
3/6/03	Move in and rig up CAZA rig #61	

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3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey $\frac{3}{4}$ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

3/9/03 PO Drilling at 1892'. Drill and survey from 1452' to 1892'. Surveys: 4.75deg at 1498', 4.25deg at 1578', 1.25deg at 1658', 0.5deg at 1748', 0.5deg at 1874'. WOB 20K, RPM 120, PP 1450, SPM 107. Mud is water.

3/10/03 PO Fishing for bit at 3008'. Drill from 1892' to 3008' with bit #1. POOH for new bit, bit and XO sub twisted off. WO fishing tools. GIH with fishing tools POOH -no recovery, GIH with 7 $\frac{1}{2}$ " grapple, work over fish, circ gas out. POOH. Surveys: 0.25 deg at 3008'. WOB 40K, RPM 120, SPM 107, GPM 668. Mud is water.

3/11/03 PO Drilling at 3461'. TOOH with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class"G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.

3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.

3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

3/15/03 PO Drilling at 4627'. Drill to 4012, survey, POOH and PU bit #4. GIH and drill to 4627'. Bit #3 made 478' in 18.5 hrs. Surveys: 3 deg at 3936', 0.25deg at 4165', 0.5deg at 4479'. RPM 50+, WOB 35K, PP 1200, SPM 107.

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- 3/16/03 PO Drilling at 5325'. Drill Green River formation from 4627' to 5325' with bit #4 Surveys: 2deg at 4676', 2deg at 4865', 2deg at 5077', 0.5deg at 5266'. RPM 50+, WOB 30K, PP 1250, SPM 107. Mud is water.
- 3/17/03 PO POOH for new bit at 5869'. Drill Green River and Wasatch formations from 5325' to 5869' with bit #4. Surveys: 0.5deg at 5305', 1.5deg at 5578', 1.5deg at 5816'. RPM 55+, WOB 35K, SPM 107, GPM 337, PP 1250#, mud is water.
- 3/18/03 PO POOH for new mud motor. Fin GIH with bit #5, drill Wasatch from 5869' to 6078'. POOH for new mud motor, replace air lines on drum clutch. MW 8.4, Vis 29, RPM 35, WOB 10K, PP 900.
- 3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.
- 3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.
- 3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.
- 3/22/03 PO Drilling at 8103'. Drill Wasatch formation from 7749' to 8103' with bit #6. MW 8.5, Vis 27, Ph 7.5, RPM 55+, WOB 20K, PP 800, GPM 342.
- 3/23/03 PO TOO H for new bit. Drill Wasatch from 8103' to 8247' with bit #6. Survey 3deg at 8247'. Pump pill, had 4" water flow, weight up to kill flow, POOH. Bit #6 made 792' in 48.5 hours. RPM 60+, WOB 25K, PP 1000, GPM 345.
- 3/24/03 PO Drilling at 8448'. Fin TIH with bit #7, a Security XS-44, Drill Wasatch from 8247' to 8448'. MW 9.2, Vis 34, Ph 8.0, RPM 60+, WOB 35K, PP 1500, GPM 336.
- 3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.
- 3/26/03 PO Drilling at 8940'. Drill Wasatch from 8692' to 8940' with bit #7. MW 8.9, Vis 40, RPM 60+, WOB 45K, PP 1300, SPM 109.

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3/27/03 PO Drilling at 9075'. Drill Wasatch and Mesa Verde from 8940' to 9067' with bit #7, Survey 2 1/4deg at 9040'. TOO H and lay down cracked collar and mud motor, GIH with bit #8, a Security XS-44, and new mud motor, Drill to 9075'. MW 9.0, Vis 40, RPM 55+, WOB 45K, PP 1400, SPM 107. Bit #7 made 820' in 79 hrs.

3/28/03 PO Drilling at 9320'. Drill Mesa Verde formation with bit #8 from 9075' to 9320'. MW 9.2, Vis 41, FI 20.4, Ph 9.0, RPM 55+, WOB 40K, PP1550, SPM 105.

3/29/03 PO Repair swivel packing. Drill Mesa Verde from 9320' to 9565' with bit #8, Work on swivel packing . MW 9.2, Vis 42, FI 21.6, Ph 9.0, RPM 55+, WOB 45, SPM 107.

3/30/03 PO TIH with bit #9. Work on swivel packing, POOH to csg shoe, cut wash pipe with welder and install new packing , replace wash pipe, POOH and Magnaflux collars and HWDP, Lay down 13 cracked collars. PU bit #9, a Security XS-44 and 14 collars and GIH. Bit #8 made 499' in 49 hrs.

3/31/03 PO Drilling at 9785'. Fin GIH with bit #9 and drill Mesa Verde formation from 9565' to 9785' with bit #9. MW 9.5, Vis 39, FI 18, Ph 8, RPM 55+, WOB 45K, PP 1630, SPM 105.

4/1/03 PO Drilling at 10043'. Drill Mesa Verde from 9785' to 10043' with bit #9. BGG 50-250 units, MW 9.4, Vis 40, FI 20.4, Ph 8.0, RPM 55+, WOB 45K, PP 1620, SPM 107.

4/2/03 PO Drilling at 10298'. Drill Mesa Verde from 10043' to 10298' with bit #9. MW 9.4, Vis 40, FI 22.8, Ph 8.4, RPM 50+, WOB 45K, PP1390, SPM 106.

4/3/03 PO Drilling at 10415'. Drill Mesa Verde from 10298' to 10396' with bit #9, pump pill, TOO H, LD 8 DC's, and mud motor. GIH with bit #10, a Security XS-44 and drill to 10415'. MW 9.4, Vis 40, FI 22, Ph 8.4, RPM 60, WOB 30, PP 1150, BGG 50-250 units.

4/4/03 PO Drilling at 10682'. Drill Mesa Verde from 10415' to 10682' with bit #10. MW 9.7, Vis 42, FI 22, Ph 7, CI 6500, RPM 65, WOB 45K, PP 1420, SPM 111. Carrying 8-15' flare. Shows: 10435-447' 6335 units, 10545'-580' 5016 units.

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- 4/5/03 PO Drilling at 10858'. Drill Mesa Verde from 10682' to 10826', lost 100 bbls mud, pump LCM pill and regain circulation, drill to 10858'. MW 10.2, Vis 46, Fl 22, Ph 7, RPM 65, WOB 45K, PP1460, SPM 106.
- 4/6/03 PO Drilling at 10883'. Drill Mesa Verde from 10858' to 10863', pump pill, POOH and Pick up bit #11, a Security XS-55, GIH and drill and circ gas to 10883'. Bit #10 made 467' in 50.5 hrs. MW 10.3, Vis 44, FL 33, Ph 7.
- 4/7/03 PO Drilling at 11007'. Drill Mesa Verde from 10883' to 11007' with bit #11. Mud going thru gas buster with 4'-12' surging flare. Shows: 10953'-960' 1131 units, 10970'-975' 1126 units. BGG 350-1250 units. MW 11.5, Vis 45, Fl 16, Ph 7, WOB 45, RPM 65, PP 1400, SPM 108.

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Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman , J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

10/8/02	Move in Huffman construction. Unload 2 dozers and a road grader. Upgrade road across section 36 into section 31. Start pushing location out. Extremely rocky, can not dig any deeper. Order out 2 rock drills.
10/9/02	Drill 3" holes up to 20' deep all across location. Continue to work on access road. Fence off hookless cactus to prevent damage to them.
10/10/02	Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases of dynamite.
10/11/02	Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.
10/12/02	Finish pushing rubble off of location, start digging out pit area.
10/13/02	Finish pushing out pit and smoothing location.
10/14/02	Install pit liner and haul some water in to test liner. OK
10/23/02	MI Junior rathole rig
10/24/02	Drill mouse hole and rathole
10/25/02	Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.
3/2/03	Start moving in CAZA rig #61
3/3/03	SDF Weekend
3/4/03	SDF Weekend
3/5/03	Move in and rig up CAZA rig #61
3/6/03	Move in and rig up CAZA rig #61

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3/7/03 Finish rigging up rig #61

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3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

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- 3/16/03 PO Drilling at 5325'. Drill Green River formation from 4627' to 5325' with bit #4. Surveys: 2deg at 4676', 2deg at 4865', 2deg at 5077', 0.5deg at 5266'. RPM 50+, WOB 30K, PP 1250, SPM 107. Mud is water.
- 3/17/03 PO POOH for new bit at 5869'. Drill Green River and Wasatch formations from 5325' to 5869' with bit #4. Surveys: 0.5deg at 5305', 1.5deg at 5578', 1.5deg at 5816'. RPM 55+, WOB 35K, SPM 107, GPM 337, PP 1250#, mud is water.
- 3/18/03 PO POOH for new mud motor. Fin GIH with bit #5, drill Wasatch from 5869' to 6078'. POOH for new mud motor, replace air lines on drum clutch. MW 8.4, Vis 29, RPM 35, WOB 10K, PP 900.
- 3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.
- 3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.
- 3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.
- 3/22/03 PO Drilling at 8103'. Drill Wasatch formation from 7749' to 8103' with bit #6. MW 8.5, Vis 27, Ph 7.5, RPM 55+, WOB 20K, PP 800, GPM 342.
- 3/23/03 PO TOO H for new bit. Drill Wasatch from 8103' to 8247' with bit #6. Survey 3deg at 8247'. Pump pill, had 4" water flow, weight up to kill flow, POOH. Bit #6 made 792' in 48.5 hours. RPM 60+, WOB 25K, PP 1000, GPM 345.
- 3/24/03 PO Drilling at 8448'. Fin TIH with bit #7, a Security XS-44, Drill Wasatch from 8247' to 8448'. MW 9.2, Vis 34, Ph 8.0, RPM 60+, WOB 35K, PP 1500, GPM 336.
- 3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.
- 3/26/03 PO Drilling at 8940'. Drill Wasatch from 8692' to 8940' with bit #7. MW 8.9, Vis 40, RPM 60+, WOB 45K, PP 1300, SPM 109.

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- 3/27/03 PO Drilling at 9075'. Drill Wasatch and Mesa Verde from 8940' to 9067' with bit #7, Survey 2 1/4deg at 9040'. TOO H and lay down cracked collar and mud motor, GIH with bit #8, a Security XS-44, and new mud motor, Drill to 9075'. MW 9.0, Vis 40, RPM 55+, WOB 45K, PP 1400, SPM 107. Bit #7 made 820' in 79 hrs.
- 3/28/03 PO Drilling at 9320'. Drill Mesa Verde formation with bit #8 from 9075' to 9320'. MW 9.2, Vis 41, Fl 20.4, Ph 9.0, RPM 55+, WOB 40K, PP1550, SPM 105.
- 3/29/03 PO Repair swivel packing. Drill Mesa Verde from 9320' to 9565' with bit #8, Work on swivel packing . MW 9.2, Vis 42, Fl 21.6, Ph 9.0, RPM 55+, WOB 45, SPM 107.
- 3/30/03 PO TIH with bit #9. Work on swivel packing, POOH to csg shoe, cut wash pipe with welder and install new packing , replace wash pipe, POOH and Magnaflux collars and HWDP, Lay down 13 cracked collars. PU bit #9, a Security XS-44 and 14 collars and GIH. Bit #8 made 499' in 49 hrs.
- 3/31/03 PO Drilling at 9785'. Fin GIH with bit #9 and drill Mesa Verde formation from 9565' to 9785' with bit #9. MW 9.5, Vis 39, Fl 18, Ph 8, RPM 55+, WOB 45K, PP 1630, SPM 105.
- 4/1/03 PO Drilling at 10043'. Drill Mesa Verde from 9785' to 10043' with bit #9. BGG 50-250 units, MW 9.4, Vis 40, Fl 20.4, Ph 8.0, RPM 55+, WOB 45K, PP 1620, SPM 107.
- 4/2/03 PO Drilling at 10298'. Drill Mesa Verde from 10043' to 10298' with bit #9. MW 9.4, Vis 40, Fl 22.8, Ph 8.4, RPM 50+, WOB 45K, PP1390, SPM 106.
- 4/3/03 PO Drilling at 10415'. Drill Mesa Verde from 10298' to 10396' with bit #9, pump pill, TOO H, LD 8 DC's, and mud motor. GIH with bit #10, a Security XS-44 and drill to 10415'. MW 9.4, Vis 40, Fl 22, Ph 8.4, RPM 60, WOB 30, PP 1150, BGG 50-250 units.
- 4/4/03 PO Drilling at 10682'. Drill Mesa Verde from 10415' to 10682' with bit #10. MW 9.7, Vis 42, Fl 22, Ph 7, Cl 6500, RPM 65, WOB 45K, PP 1420, SPM 111. Carrying 8-15' flare. Shows: 10435-447' 6335 units, 10545'-580' 5016 units.

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- 4/5/03 PO Drilling at 10858'. Drill Mesa Verde from 10682' to 10826', lost 100 bbls mud, pump LCM pill and regain circulation, drill to 10858'. MW 10.2, Vis 46, Fl 22, Ph 7, RPM 65, WOB 45K, PP1460, SPM 106.
- 4/6/03 PO Drilling at 10883'. Drill Mesa Verde from 10858' to 10863', pump pill, POOH and Pick up bit #11, a Security XS-55, GIH and drill and circ gas to 10883'. Bit #10 made 467' in 50.5 hrs. MW 10.3, Vis 44, FL 33, Ph 7.
- 4/7/03 PO Drilling at 11007'. Drill Mesa Verde from 10883' to 11007' with bit #11. Mud going thru gas buster with 4'-12' surging flare. Shows: 10953'-960' 1131 units, 10970'-975' 1126 units. BGG 350-1250 units. MW 11.5, Vis 45, Fl 16, Ph 7, WOB 45, RPM 65, PP 1400, SPM 108.
- 4/8/03 PO Drilling at 11079'. Drill Mesa Verde from 11007' to 11045', lost circulation, PU off bottom, mix and pump LCM pill, start drilling, lost circulation again, mix LCM and build volume, resume drilling, and drill to 11079'. MW 10.9-11.5, Vis 45-55, Fl 40, Cl 6200, RPM 55, WOB 45K, PP 1380, SPM 108, BGG 3900-5100 units. Carrying 4-12' flare, drilling thru gas buster.

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Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

10/8/02 Move in Huffman construction. Unload 2 dozers and a road grader. Upgrade road across section 36 into section 31. Start pushing location out. Extremely rocky, can not dig any deeper. Order out 2 rock drills.

10/9/02 Drill 3" holes up to 20' deep all across location. Continue to work on access road. Fence off hookless cactus to prevent damage to them.

10/10/02 Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases of dynamite.

10/11/02 Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.

10/12/02 Finish pushing rubble off of location, start digging out pit area.

10/13/02 Finish pushing out pit and smoothing location.

10/14/02 Install pit liner and haul some water in to test liner. OK

10/23/02 MI Junior rathole rig

10/24/02 Drill mouse hole and rathole

10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

3/2/03 Start moving in CAZA rig #61

3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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- 3/7/03 Finish rigging up rig #61
- 3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey $\frac{3}{4}$ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.
- 3/9/03 PO Drilling at 1892'. Drill and survey from 1452' to 1892'. Surveys: 4.75deg at 1498', 4.25deg at 1578', 1.25deg at 1658', 0.5deg at 1748', 0.5deg at 1874'. WOB 20K, RPM 120, PP 1450, SPM 107. Mud is water.
- 3/10/03 PO Fishing for bit at 3008'. Drill from 1892' to 3008' with bit #1. POOH for new bit, bit and XO sub twisted off. WO fishing tools. GIH with fishing tools POOH -no recovery, GIH with 7 $\frac{1}{2}$ " grapple, work over fish, circ gas out. POOH. Surveys: 0.25 deg at 3008'. WOB 40K, RPM 120, SPM 107, GPM 668. Mud is water.
- 3/11/03 PO Drilling at 3461'. TOOH with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.
- 3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class"G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.
- 3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.
- 3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.
- 3/15/03 PO Drilling at 4627'. Drill to 4012, survey, POOH and PU bit #4. GIH and drill to 4627'. Bit #3 made 478' in 18.5 hrs. Surveys: 3 deg at 3936', 0.25deg at 4165', 0.5deg at 4479'. RPM 50+, WOB 35K, PP 1200, SPM 107.

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- 3/16/03 PO Drilling at 5325'. Drill Green River formation from 4627' to 5325' with bit #4 Surveys: 2deg at 4676', 2deg at 4865', 2deg at 5077', 0.5deg at 5266'. RPM 50+, WOB 30K, PP 1250, SPM 107. Mud is water.
- 3/17/03 PO POOH for new bit at 5869'. Drill Green River and Wasatch formations from 5325' to 5869' with bit #4. Surveys: 0.5deg at 5305', 1.5deg at 5578', 1.5deg at 5816'. RPM 55+, WOB 35K, SPM 107, GPM 337, PP 1250#, mud is water.
- 3/18/03 PO POOH for new mud motor. Fin GIH with bit #5, drill Wasatch from 5869' to 6078'. POOH for new mud motor, replace air lines on drum clutch. MW 8.4, Vis 29, RPM 35, WOB 10K, PP 900.
- 3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.
- 3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.
- 3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.
- 3/22/03 PO Drilling at 8103'. Drill Wasatch formation from 7749' to 8103' with bit #6. MW 8.5, Vis 27, Ph 7.5, RPM 55+, WOB 20K, PP 800, GPM 342.
- 3/23/03 PO TOO H for new bit. Drill Wasatch from 8103' to 8247' with bit #6. Survey 3deg at 8247'. Pump pill, had 4" water flow, weight up to kill flow, POOH. Bit #6 made 792' in 48.5 hours. RPM 60+, WOB 25K, PP 1000, GPM 345.
- 3/24/03 PO Drilling at 8448'. Fin TIH with bit #7, a Security XS-44, Drill Wasatch from 8247' to 8448'. MW 9.2, Vis 34, Ph 8.0, RPM 60+, WOB 35K, PP 1500, GPM 336.
- 3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.
- 3/26/03 PO Drilling at 8940'. Drill Wasatch from 8692' to 8940' with bit #7. MW 8.9, Vis 40, RPM 60+, WOB 45K, PP 1300, SPM 109.

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- 3/27/03 PO Drilling at 9075'. Drill Wasatch and Mesa Verde from 8940' to 9067' with bit #7, Survey 2 1/4deg at 9040'. TOOH and lay down cracked collar and mud motor, GIH with bit #8, a Security XS-44, and new mud motor, Drill to 9075'. MW 9.0, Vis 40, RPM 55+, WOB 45K, PP 1400, SPM 107. Bit #7 made 820' in 79 hrs.
- 3/28/03 PO Drilling at 9320'. Drill Mesa Verde formation with bit #8 from 9075' to 9320'. MW 9.2, Vis 41, Fl 20.4, Ph 9.0, RPM 55+, WOB 40K, PP1550, SPM 105.
- 3/29/03 PO Repair swivel packing. Drill Mesa Verde from 9320' to 9565' with bit #8, Work on swivel packing . MW 9.2, Vis 42, Fl 21.6, Ph 9.0, RPM 55+, WOB 45, SPM 107.
- 3/30/03 PO TIH with bit #9. Work on swivel packing, POOH to csg shoe, cut wash pipe with welder and install new packing , replace wash pipe, POOH and Magnaflux collars and HWDP, Lay down 13 cracked collars. PU bit #9, a Security XS-44 and 14 collars and GIH. Bit #8 made 499' in 49 hrs.
- 3/31/03 PO Drilling at 9785'. Fin GIH with bit #9 and drill Mesa Verde formation from 9565' to 9785' with bit #9. MW 9.5, Vis 39, Fl 18, Ph 8, RPM 55+, WOB 45K, PP 1630, SPM 105.
- 4/1/03 PO Drilling at 10043'. Drill Mesa Verde from 9785' to 10043' with bit #9. BGG 50-250 units, MW 9.4, Vis 40, Fl 20.4, Ph 8.0, RPM 55+, WOB 45K, PP 1620, SPM 107.
- 4/2/03 PO Drilling at 10298'. Drill Mesa Verde from 10043' to 10298' with bit #9. MW 9.4, Vis 40, Fl 22.8, Ph 8.4, RPM 50+, WOB 45K, PP1390, SPM 106.
- 4/3/03 PO Drilling at 10415'. Drill Mesa Verde from 10298' to 10396' with bit #9, pump pill, TOOH, LD 8 DC's, and mud motor. GIH with bit #10, a Security XS-44 and drill to 10415'. MW 9.4, Vis 40, Fl 22, Ph 8.4, RPM 60, WOB 30, PP 1150, BGG 50-250 units.
- 4/4/03 PO Drilling at 10682'. Drill Mesa Verde from 10415' to 10682' with bit #10. MW 9.7, Vis 42, Fl 22, Ph 7, Cl 6500, RPM 65, WOB 45K, PP 1420, SPM 111. Carrying 8-15' flare. Shows: 10435-447' 6335 units, 10545'-580' 5016 units.

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- 4/5/03 PO Drilling at 10858'. Drill Mesa Verde from 10682' to 10826', lost 100 bbls mud, pump LCM pill and regain circulation, drill to 10858'. MW 10.2, Vis 46, Fl 22, Ph 7, RPM 65, WOB 45K, PP1460, SPM 106.
- 4/6/03 PO Drilling at 10883'. Drill Mesa Verde from 10858' to 10863', pump pill, POOH and Pick up bit #11, a Security XS-55, GIH and drill and circ gas to 10883'. Bit #10 made 467' in 50.5 hrs. MW 10.3, Vis 44, FL 33, Ph 7.
- 4/7/03 PO Drilling at 11007'. Drill Mesa Verde from 10883' to 11007' with bit #11. Mud going thru gas buster with 4'-12' surging flare. Shows: 10953'-960' 1131 units, 10970'-975' 1126 units. BGG 350-1250 units. MW 11.5, Vis 45, Fl 16, Ph 7, WOB 45, RPM 65, PP 1400, SPM 108.
- 4/8/03 PO Drilling at 11079'. Drill Mesa Verde from 11007' to 11045', lost circulation, PU off bottom, mix and pump LCM pill, start drilling, lost circulation again, mix LCM and build volume, resume drilling, and drill to 11079'. MW 10.9-11.5, Vis 45-55, Fl 40, Cl 6200, RPM 55, WOB 45K, PP 1380, SPM 108, BGG 3900-5100 units. Carrying 4-12' flare, drilling thru gas buster.
- 4/9/03 PO Drilling at 11175'. Drill Mesa Verde from 11079' to 11170', lost circulation, mix LCM and build volume, drill to 11175' with 5'-30' flare. MW 11.7, Vis 41, Ph 8, Cl 6400, BGG 4000-5000 units,

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Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

10/8/02 Move in Huffman construction. Unload 2 dozers and a road grader. Upgrade road across section 36 into section 31. Start pushing location out. Extremely rocky, can not dig any deeper. Order out 2 rock drills.

10/9/02 Drill 3" holes up to 20' deep all across location. Continue to work on access road. Fence off hookless cactus to prevent damage to them.

10/10/02 Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases of dynamite.

10/11/02 Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.

10/12/02 Finish pushing rubble off of location, start digging out pit area.

10/13/02 Finish pushing out pit and smoothing location.

10/14/02 Install pit liner and haul some water in to test liner. OK

10/23/02 MI Junior rathole rig

10/24/02 Drill mouse hole and rathole

10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

3/2/03 Start moving in CAZA rig #61

3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey ¾ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

3/9/03 PO Drilling at 1892'. Drill and survey from 1452' to 1892'. Surveys: 4.75deg at 1498', 4.25deg at 1578', 1.25deg at 1658', 0.5deg at 1748', 0.5deg at 1874'. WOB 20K, RPM 120, PP 1450, SPM 107. Mud is water.

3/10/03 PO Fishing for bit at 3008'. Drill from 1892' to 3008' with bit #1. POOH for new bit, bit and XO sub twisted off. WO fishing tools. GIH with fishing tools POOH –no recovery, GIH with 7 ½" grapple, work over fish, circ gas out. POOH. Surveys: 0.25 deg at 3008'. WOB 40K, RPM 120, SPM 107, GPM 668. Mud is water.

3/11/03 PO Drilling at 3461'. TOO H with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class"G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.

3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.

3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

3/15/03 PO Drilling at 4627'. Drill to 4012, survey, POOH and PU bit #4. GIH and drill to 4627'. Bit #3 made 478' in 18.5 hrs. Surveys: 3 deg at 3936', 0.25deg at 4165', 0.5deg at 4479'. RPM 50+, WOB 35K, PP 1200, SPM 107.

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- 3/16/03 PO Drilling at 5325'. Drill Green River formation from 4627' to 5325' with bit #4 Surveys: 2deg at 4676', 2deg at 4865', 2deg at 5077', 0.5deg at 5266'. RPM 50+, WOB 30K, PP 1250, SPM 107. Mud is water.
- 3/17/03 PO POOH for new bit at 5869'. Drill Green River and Wasatch formations from 5325' to 5869' with bit #4. Surveys: 0.5deg at 5305', 1.5deg at 5578', 1.5deg at 5816'. RPM 55+, WOB 35K, SPM 107, GPM 337, PP 1250#, mud is water.
- 3/18/03 PO POOH for new mud motor. Fin GIH with bit #5, drill Wasatch from 5869' to 6078'. POOH for new mud motor, replace air lines on drum clutch. MW 8.4, Vis 29, RPM 35, WOB 10K, PP 900.
- 3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.
- 3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.
- 3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.
- 3/22/03 PO Drilling at 8103'. Drill Wasatch formation from 7749' to 8103' with bit #6. MW 8.5, Vis 27, Ph 7.5, RPM 55+, WOB 20K, PP 800, GPM 342.
- 3/23/03 PO TOO H for new bit. Drill Wasatch from 8103' to 8247' with bit #6. Survey 3deg at 8247'. Pump pill, had 4" water flow, weight up to kill flow, POOH. Bit #6 made 792' in 48.5 hours. RPM 60+, WOB 25K, PP 1000, GPM 345.
- 3/24/03 PO Drilling at 8448'. Fin TIH with bit #7, a Security XS-44, Drill Wasatch from 8247' to 8448'. MW 9.2, Vis 34, Ph 8.0, RPM 60+, WOB 35K, PP 1500, GPM 336.
- 3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.
- 3/26/03 PO Drilling at 8940'. Drill Wasatch from 8692' to 8940' with bit #7. MW 8.9, Vis 40, RPM 60+, WOB 45K, PP 1300, SPM 109.

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3/27/03 PO Drilling at 9075'. Drill Wasatch and Mesa Verde from 8940' to 9067' with bit #7, Survey 2 1/4deg at 9040'. TOO H and lay down cracked collar and mud motor, GIH with bit #8, a Security XS-44, and new mud motor, Drill to 9075'. MW 9.0, Vis 40, RPM 55+, WOB 45K, PP 1400, SPM 107. Bit #7 made 820' in 79 hrs.

3/28/03 PO Drilling at 9320'. Drill Mesa Verde formation with bit #8 from 9075' to 9320'. MW 9.2, Vis 41, Fl 20.4, Ph 9.0, RPM 55+, WOB 40K, PP1550, SPM 105.

3/29/03 PO Repair swivel packing. Drill Mesa Verde from 9320' to 9565' with bit #8, Work on swivel packing . MW 9.2, Vis 42, Fl 21.6, Ph 9.0, RPM 55+, WOB 45, SPM 107.

3/30/03 PO TIH with bit #9. Work on swivel packing, POOH to csg shoe, cut wash pipe with welder and install new packing , replace wash pipe, POOH and Magnaflux collars and HWDP, Lay down 13 cracked collars. PU bit #9, a Security XS-44 and 14 collars and GIH. Bit #8 made 499' in 49 hrs.

3/31/03 PO Drilling at 9785'. Fin GIH with bit #9 and drill Mesa Verde formation from 9565' to 9785' with bit #9. MW 9.5, Vis 39, Fl 18, Ph 8, RPM 55+, WOB 45K, PP 1630, SPM 105.

4/1/03 PO Drilling at 10043'. Drill Mesa Verde from 9785' to 10043' with bit #9. BGG 50-250 units, MW 9.4, Vis 40, Fl 20.4, Ph 8.0, RPM 55+, WOB 45K, PP 1620, SPM 107.

4/2/03 PO Drilling at 10298'. Drill Mesa Verde from 10043' to 10298' with bit #9. MW 9.4, Vis 40, Fl 22.8, Ph 8.4, RPM 50+, WOB 45K, PP1390, SPM 106.

4/3/03 PO Drilling at 10415'. Drill Mesa Verde from 10298' to 10396' with bit #9, pump pill, TOO H, LD 8 DC's, and mud motor. GIH with bit #10, a Security XS-44 and drill to 10415'. MW 9.4, Vis 40, Fl 22, Ph 8.4, RPM 60, WOB 30, PP 1150, BGG 50-250 units.

4/4/03 PO Drilling at 10682'. Drill Mesa Verde from 10415' to 10682' with bit #10. MW 9.7, Vis 42, Fl 22, Ph 7, Cl 6500, RPM 65, WOB 45K, PP 1420, SPM 111. Carrying 8-15' flare. Shows: 10435-447' 6335 units, 10545'-580' 5016 units.

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- 4/5/03 PO Drilling at 10858'. Drill Mesa Verde from 10682' to 10826', lost 100 bbls mud, pump LCM pill and regain circulation, drill to 10858'. MW 10.2, Vis 46, Fl 22, Ph 7, RPM 65, WOB 45K, PP1460, SPM 106.
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- 4/7/03 PO Drilling at 11007'. Drill Mesa Verde from 10883' to 11007' with bit #11. Mud going thru gas buster with 4'-12' surging flare. Shows: 10953'-960' 1131 units, 10970'-975' 1126 units. BGG 350-1250 units. MW 11.5, Vis 45, Fl 16, Ph 7, WOB 45, RPM 65, PP 1400, SPM 108.
- 4/8/03 PO Drilling at 11079'. Drill Mesa Verde from 11007' to 11045', lost circulation, PU off bottom, mix and pump LCM pill, start drilling, lost circulation again, mix LCM and build volume, resume drilling, and drill to 11079'. MW 10.9-11.5, Vis 45-55, Fl 40, Cl 6200, RPM 55, WOB 45K, PP 1380, SPM 108, BGG 3900-5100 units. Carrying 4-12' flare, drilling thru gas buster.
- 4/9/03 PO Drilling at 11175'. Drill Mesa Verde from 11079' to 11170', lost circulation, mix LCM and build volume, drill to 11175' with 5'-30' flare. MW 11.7, Vis 41, Ph 8, Cl 6400, BGG 4000-5000 units,
- 4/10/03 PO Drilling at 11349'. Drill Mesa Verde from 11175' to 11349' with a 4' to 10' flare. Show: 11199'-214' 6300 units. MW 11.8, Vis 42, Fl 14, Ph 8, Cl 6000, RPM 63, WOB 46K, PP 1430, SPM 106, BGG 4100-5200 units.

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Petroleum, R. Weathermon, M. Rael

10/8/02 Move in Huffman construction. Unload 2 dozers and a road grader.
Upgrade road across section 36 into section 31. Start pushing location out.
Extremely rocky, can not dig any deeper. Order out 2 rock drills.

10/9/02 Drill 3" holes up to 20' deep all across location. Continue to work on
access road. Fence off hookless cactus to prevent damage to them.

10/10/02 Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases
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and push out rubble.

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10/14/02 Install pit liner and haul some water in to test liner. OK

10/23/02 MI Junior rathole rig

10/24/02 Drill mouse hole and rathole

10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement
with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

3/2/03 Start moving in CAZA rig #61

3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey $\frac{3}{4}$ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

3/9/03 PO Drilling at 1892'. Drill and survey from 1452' to 1892'. Surveys: 4.75deg at 1498', 4.25deg at 1578', 1.25deg at 1658', 0.5deg at 1748', 0.5deg at 1874'. WOB 20K, RPM 120, PP 1450, SPM 107. Mud is water.

3/10/03 PO Fishing for bit at 3008'. Drill from 1892' to 3008' with bit #1. POOH for new bit, bit and XO sub twisted off. WO fishing tools. GIH with fishing tools POOH -no recovery, GIH with 7 $\frac{1}{2}$ " grapple, work over fish, circ gas out. POOH. Surveys: 0.25 deg at 3008'. WOB 40K, RPM 120, SPM 107, GPM 668. Mud is water.

3/11/03 PO Drilling at 3461'. TOOH with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class"G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.

3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.

3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

3/15/03 PO Drilling at 4627'. Drill to 4012, survey, POOH and PU bit #4. GIH and drill to 4627'. Bit #3 made 478' in 18.5 hrs. Surveys: 3 deg at 3936', 0.25deg at 4165', 0.5deg at 4479'. RPM 50+, WOB 35K, PP 1200, SPM 107.

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- 3/16/03 PO Drilling at 5325'. Drill Green River formation from 4627' to 5325' with bit #4 Surveys: 2deg at 4676', 2deg at 4865', 2deg at 5077', 0.5deg at 5266'. RPM 50+, WOB 30K, PP 1250, SPM 107. Mud is water.
- 3/17/03 PO POOH for new bit at 5869'. Drill Green River and Wasatch formations from 5325' to 5869' with bit #4. Surveys: 0.5deg at 5305', 1.5deg at 5578', 1.5deg at 5816'. RPM 55+, WOB 35K, SPM 107, GPM 337, PP 1250#, mud is water.
- 3/18/03 PO POOH for new mud motor. Fin GIH with bit #5, drill Wasatch from 5869' to 6078'. POOH for new mud motor, replace air lines on drum clutch. MW 8.4, Vis 29, RPM 35, WOB 10K, PP 900.
- 3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.
- 3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.
- 3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.
- 3/22/03 PO Drilling at 8103'. Drill Wasatch formation from 7749' to 8103' with bit #6. MW 8.5, Vis 27, Ph 7.5, RPM 55+, WOB 20K, PP 800, GPM 342.
- 3/23/03 PO TOOH for new bit. Drill Wasatch from 8103' to 8247' with bit #6. Survey 3deg at 8247'. Pump pill, had 4" water flow, weight up to kill flow, POOH. Bit #6 made 792' in 48.5 hours. RPM 60+, WOB 25K, PP 1000, GPM 345.
- 3/24/03 PO Drilling at 8448'. Fin TIH with bit #7, a Security XS-44, Drill Wasatch from 8247' to 8448'. MW 9.2, Vis 34, Ph 8.0, RPM 60+, WOB 35K, PP 1500, GPM 336.
- 3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.
- 3/26/03 PO Drilling at 8940'. Drill Wasatch from 8692' to 8940' with bit #7. MW 8.9, Vis 40, RPM 60+, WOB 45K, PP 1300, SPM 109.

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- 3/27/03 PO Drilling at 9075'. Drill Wasatch and Mesa Verde from 8940' to 9067' with bit #7, Survey 2 1/4deg at 9040'. TOOH and lay down cracked collar and mud motor, GIH with bit #8, a Security XS-44, and new mud motor, Drill to 9075'. MW 9.0, Vis 40, RPM 55+, WOB 45K, PP 1400, SPM 107. Bit #7 made 820' in 79 hrs.
- 3/28/03 PO Drilling at 9320'. Drill Mesa Verde formation with bit #8 from 9075' to 9320'. MW 9.2, Vis 41, Fl 20.4, Ph 9.0, RPM 55+, WOB 40K, PP1550, SPM 105.
- 3/29/03 PO Repair swivel packing. Drill Mesa Verde from 9320' to 9565' with bit #8, Work on swivel packing . MW 9.2, Vis 42, Fl 21.6, Ph 9.0, RPM 55+, WOB 45, SPM 107.
- 3/30/03 PO TIH with bit #9. Work on swivel packing, POOH to csg shoe, cut wash pipe with welder and install new packing , replace wash pipe, POOH and Magnaflux collars and HWDP, Lay down 13 cracked collars. PU bit #9, a Security XS-44 and 14 collars and GIH. Bit #8 made 499' in 49 hrs.
- 3/31/03 PO Drilling at 9785'. Fin GIH with bit #9 and drill Mesa Verde formation from 9565' to 9785' with bit #9. MW 9.5, Vis 39, Fl 18, Ph 8, RPM 55+, WOB 45K, PP 1630, SPM 105.
- 4/1/03 PO Drilling at 10043'. Drill Mesa Verde from 9785' to 10043' with bit #9. BGG 50-250 units, MW 9.4, Vis 40, Fl 20.4, Ph 8.0, RPM 55+, WOB 45K, PP 1620, SPM 107.
- 4/2/03 PO Drilling at 10298'. Drill Mesa Verde from 10043' to 10298' with bit #9. MW 9.4, Vis 40, Fl 22.8, Ph 8.4, RPM 50+, WOB 45K, PP1390, SPM 106.
- 4/3/03 PO Drilling at 10415'. Drill Mesa Verde from 10298' to 10396' with bit #9, pump pill, TOOH, LD 8 DC's, and mud motor. GIH with bit #10, a Security XS-44 and drill to 10415'. MW 9.4, Vis 40, Fl 22, Ph 8.4, RPM 60, WOB 30, PP 1150, BGG 50-250 units.
- 4/4/03 PO Drilling at 10682'. Drill Mesa Verde from 10415' to 10682' with bit #10. MW 9.7, Vis 42, Fl 22, Ph 7, Cl 6500, RPM 65, WOB 45K, PP 1420, SPM 111. Carrying 8-15' flare. Shows: 10435-447' 6335 units, 10545'-580' 5016 units.

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- 4/5/03 PO Drilling at 10858'. Drill Mesa Verde from 10682' to 10826', lost 100 bbls mud, pump LCM pill and regain circulation, drill to 10858'. MW 10.2, Vis 46, Fl 22, Ph 7, RPM 65, WOB 45K, PP1460, SPM 106.
- 4/6/03 PO Drilling at 10883'. Drill Mesa Verde from 10858' to 10863', pump pill, POOH and Pick up bit #11, a Security XS-55, GIH and drill and circ gas to 10883'. Bit #10 made 467' in 50.5 hrs. MW 10.3, Vis 44, FL 33, Ph 7.
- 4/7/03 PO Drilling at 11007'. Drill Mesa Verde from 10883' to 11007' with bit #11. Mud going thru gas buster with 4'-12' surging flare. Shows: 10953'-960' 1131 units, 10970'-975' 1126 units. BGG 350-1250 units. MW 11.5, Vis 45, Fl 16, Ph 7, WOB 45, RPM 65, PP 1400, SPM 108.
- 4/8/03 PO Drilling at 11079'. Drill Mesa Verde from 11007' to 11045', lost circulation, PU off bottom, mix and pump LCM pill, start drilling, lost circulation again, mix LCM and build volume, resume drilling, and drill to 11079'. MW 10.9-11.5, Vis 45-55, Fl 40, Cl 6200, RPM 55, WOB 45K, PP 1380, SPM 108, BGG 3900-5100 units. Carrying 4-12' flare, drilling thru gas buster.
- 4/9/03 PO Drilling at 11175'. Drill Mesa Verde from 11079' to 11170', lost circulation, mix LCM and build volume, drill to 11175' with 5'-30' flare. MW 11.7, Vis 41, Ph 8, Cl 6400, BGG 4000-5000 units,
- 4/10/03 PO Drilling at 11349'. Drill Mesa Verde from 11175' to 11349' with a 4' to 10' flare. Show: 11199'-214' 6300 units. MW 11.8, Vis 42, Fl 14, Ph 8, Cl 6000, RPM 63, WOB 46K, PP 1430, SPM 106, BGG 4100-5200 units.
- 4/11/03 PO POOH for logs. Drill Mesa Verde from 11349' to 11469' with bit #11. Had a 6' flare and 4800 units BGG, pump pill, made 10 stand short trip, C&C mud, POOH for logs. Bit #11 made 590' in 94 ½ hrs. MW 12.0, Vis 40, Fl 18.4, Ph 8, Chl 5800, RPM 63, WOB 45K, PP1500, SPM 106.

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Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

10/8/02 Move in Huffman construction. Unload 2 dozers and a road grader. Upgrade road across section 36 into section 31. Start pushing location out. Extremely rocky, can not dig any deeper. Order out 2 rock drills.

10/9/02 Drill 3" holes up to 20' deep all across location. Continue to work on access road. Fence off hookless cactus to prevent damage to them.

10/10/02 Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases of dynamite.

10/11/02 Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.

10/12/02 Finish pushing rubble off of location, start digging out pit area.

10/13/02 Finish pushing out pit and smoothing location.

10/14/02 Install pit liner and haul some water in to test liner. OK

10/23/02 MI Junior rathole rig

10/24/02 Drill mouse hole and rathole

10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

3/2/03 Start moving in CAZA rig #61

3/3/03 SDF Weekend

3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

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3/7/03 Finish rigging up rig #61

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- 3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.
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- 3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.
- 3/26/03 PO Drilling at 8940'. Drill Wasatch from 8692' to 8940' with bit #7. MW 8.9, Vis 40, RPM 60+, WOB 45K, PP 1300, SPM 109.

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- 4/3/03 PO Drilling at 10415'. Drill Mesa Verde from 10298' to 10396' with bit #9, pump pill, TOOH, LD 8 DC's, and mud motor. GIH with bit #10, a Security XS-44 and drill to 10415'. MW 9.4, Vis 40, Fl 22, Ph 8.4, RPM 60, WOB 30, PP 1150, BGG 50-250 units.
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- 4/8/03 PO Drilling at 11079'. Drill Mesa Verde from 11007' to 11045', lost circulation, PU off bottom, mix and pump LCM pill, start drilling, lost circulation again, mix LCM and build volume, resume drilling, and drill to 11079'. MW 10.9-11.5, Vis 45-55, Fl 40, Cl 6200, RPM 55, WOB 45K, PP 1380, SPM 108, BGG 3900-5100 units. Carrying 4-12' flare, drilling thru gas buster.
- 4/9/03 PO Drilling at 11175'. Drill Mesa Verde from 11079' to 11170', lost circulation, mix LCM and build volume, drill to 11175' with 5'-30' flare. MW 11.7, Vis 41, Ph 8, Cl 6400, BGG 4000-5000 units,
- 4/10/03 PO Drilling at 11349'. Drill Mesa Verde from 11175' to 11349' with a 4' to 10' flare. Show: 11199'-214' 6300 units. MW 11.8, Vis 42, Fl 14, Ph 8, Cl 6000, RPM 63, WOB 46K, PP 1430, SPM 106, BGG 4100-5200 units.
- 4/11/03 PO POOH for logs. Drill Mesa Verde from 11349' to 11469' with bit #11. Had a 6' flare and 4800 units BGG, pump pill, made 10 stand short trip, C&C mud, POOH for logs. Bit #11 made 590' in 94 ½ hrs. MW 12.0, Vis 40, Fl 18.4, Ph 8, Chl 5800, RPM 63, WOB 45K, PP1500, SPM 106.
- 4/12/03 PO LDDP. Fin POOH for logs, RU Halliburton, run triple combo log from TD to base of surface casing, RD loggers. GIH to 6000' C&C mud, GIH to 9000' C&C mud, GIH to TD, no fill, C&C mud, pump pill, RU laydown machine, start OOH LDDP. MW 12.2, Vis 40.
- 4/13/03 PO WOC. FIN LDDP, LDDC's, RU casing crew, run 265 jts plus two marker jts of 4 ½" 13.5#, P-110, LT&C casing to 11467'. PBTD 11424'.

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RU Halliburton, cement casing with 650 sxs of Halliburton Lite mixed at 12.6 ppg, followed by 2250 sxs of 50:50 Poz mixed at 13.6 ppg. Displaced with 3% KCL water. Lost returns with 32 bbls left to displace. Reciprocated during first half of job. WOC.

4/14/03 PO Rig Released. Set casing slips, cut off casing, ND BOP's, clean mud tanks.

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43-047-34201
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Distribution list: M. Decker, M. Erickson, R. Dean, D. Finneman, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

10/8/02 Move in Huffman construction. Unload 2 dozers and a road grader. Upgrade road across section 36 into section 31. Start pushing location out. Extremely rocky, can not dig any deeper. Order out 2 rock drills.

10/9/02 Drill 3" holes up to 20' deep all across location. Continue to work on access road. Fence off hookless cactus to prevent damage to them.

10/10/02 Finish drilling blast holes. Load holes with 31,000# of Prell and 14 cases of dynamite.

10/11/02 Finish loading holes with explosives, set off blast. Move dozers back in and push out rubble.

10/12/02 Finish pushing rubble off of location, start digging out pit area.

10/13/02 Finish pushing out pit and smoothing location.

10/14/02 Install pit liner and haul some water in to test liner. OK

10/23/02 MIRU Bill Junior's Air drilling rig

10/24/02 Drill mouse hole and rathole

10/25/02 Drill 17 1/2" hole to 225'. Run 225' of 13 3/8" 48# H-40 casing. Cement with 225 sxs of Premium type 5 cement. Had 14 bbls returns to pit.

10/26/02 Drill 11" hole with air hammer to 820'. Notified BLM of well being officially spud.

10/27/03 RD Air drilling rig, Wait on CAZA #61

3/2/03 Start moving in CAZA rig #61

3/3/03 SDF Weekend

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3/4/03 SDF Weekend

3/5/03 Move in and rig up CAZA rig #61

3/6/03 Move in and rig up CAZA rig #61

3/7/03 Finish rigging up rig #61

3/8/03 PO Drilling at 1452'. Start and run motors and pumps. Pick up bit #1 a 11" Security XL 33N. GIH with BHA and tag up at 807'. Drill to 1452'. Survey $\frac{3}{4}$ deg at 779'. RPM 120, WOB 35K, PP 1450, SPM 108. Mud is water.

3/9/03 PO Drilling at 1892'. Drill and survey from 1452' to 1892'. Surveys: 4.75deg at 1498', 4.25deg at 1578', 1.25deg at 1658', 0.5deg at 1748', 0.5deg at 1874'. WOB 20K, RPM 120, PP 1450, SPM 107. Mud is water.

3/10/03 PO Fishing for bit at 3008'. Drill from 1892' to 3008' with bit #1. POOH for new bit, bit and XO sub twisted off. WO fishing tools. GIH with fishing tools POOH -no recovery, GIH with 7 $\frac{1}{2}$ " grapple, work over fish, circ gas out. POOH. Surveys: 0.25 deg at 3008'. WOB 40K, RPM 120, SPM 107, GPM 668. Mud is water.

3/11/03 PO Drilling at 3461'. TOO H with fish, LD fishing tools, PU bit #2 a Sec 11" XL33N. GIH and drill from 3008' to 3461'. RPM 80, WOB 40K, PP1550, GPM 662, Mud is water.

3/12/03 PO WO cement. Drill 11" hole from 3461' to 3534', C&C mud, Survey, POOH, LD 8" BHA, Run 8 5/8' 32#, J-55 ST&C casing to 3512'. RU Halliburton and cement casing with 410 sxs Hi-Fill mixed at 11ppg followed by 200 sxs class "G" mixed at 15.8ppg. Run 200' of 1" down annulus and fill backside twice with Class"G" mixed at 15.8ppg. WOC. Survey: 1/2deg at 3504', RPM 80, WOB 45K, PP1400, SPM 106.

3/13/03 PO Make up BHA. ND diverter, cut-off csg head, weld on new 8 5/8" casing head, pressure test, NU BOP's test same, install wear bushing. Start making up BHA.

3/14/03 PO Drilling at 4000'. Trip in hole with bit #3, drill shoe and plug, test BOP's drill Green River formation to 4000'. RPM 40, WOB 25K, PP 1500, Mud is water.

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- 3/15/03 PO Drilling at 4627'. Drill to 4012, survey, POOH and PU bit #4. GIH and drill to 4627'. Bit #3 made 478' in 18.5 hrs. Surveys: 3 deg at 3936', 0.25deg at 4165', 0.5deg at 4479'. RPM 50+, WOB 35K, PP 1200, SPM 107.
- 3/16/03 PO Drilling at 5325'. Drill Green River formation from 4627' to 5325' with bit #4 Surveys: 2deg at 4676', 2deg at 4865', 2deg at 5077', 0.5deg at 5266'. RPM 50+, WOB 30K, PP 1250, SPM 107. Mud is water.
- 3/17/03 PO POOH for new bit at 5869'. Drill Green River and Wasatch formations from 5325' to 5869' with bit #4. Surveys: 0.5deg at 5305', 1.5deg at 5578', 1.5deg at 5816'. RPM 55+, WOB 35K, SPM 107, GPM 337, PP 1250#, mud is water.
- 3/18/03 PO POOH for new mud motor. Fin GIH with bit #5, drill Wasatch from 5869' to 6078'. POOH for new mud motor, replace air lines on drum clutch. MW 8.4, Vis 29, RPM 35, WOB 10K, PP 900.
- 3/19/03 PO Drilling at 6548'. Finish rig repairs, TIH with bit #5, drill Wasatch from 6078' to 6548'. Survey: 2.25deg at 6548'. RPM 45+, WOB 15K, PP 1050, SPM 110.
- 3/20/03 PO Drilling at 7411'. Drill Wasatch formation from 6548' to 7411' with bit #5. RPM 45+, WOB 23K, PP 950, SPM 109, MW 8.5, Vis 28.
- 3/21/03 PO Drilling at 7749'. Drill Wasatch formation from 7411' to 7454', survey, POOH for bit #6, GIH and drill to 7749'. Bit #5 made 1585' in 51 ½ hrs. Surveys: 2.75deg at 7443'. MW 8.5, Vis 27, Ph 7.5, RPM 45+, WOB 20K, PP 720, GPM 320.
- 3/22/03 PO Drilling at 8103'. Drill Wasatch formation from 7749' to 8103' with bit #6. MW 8.5, Vis 27, Ph 7.5, RPM 55+, WOB 20K, PP 800, GPM 342.
- 3/23/03 PO TOO H for new bit. Drill Wasatch from 8103' to 8247' with bit #6. Survey 3deg at 8247'. Pump pill, had 4" water flow, weight up to kill flow, POOH. Bit #6 made 792' in 48.5 hours. RPM 60+, WOB 25K, PP 1000, GPM 345.
- 3/24/03 PO Drilling at 8448'. Fin TIH with bit #7, a Security XS-44, Drill Wasatch from 8247' to 8448'. MW 9.2, Vis 34, Ph 8.0, RPM 60+, WOB 35K, PP 1500, GPM 336.

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3/25/03 PO Drilling at 8692'. Drill Wasatch from 8448' to 8692' with bit #7. MW 8.9, Vis 33, Ph 8, RPM 60+, WOB 40, PP 1500, GPM 339.

3/26/03 PO Drilling at 8940'. Drill Wasatch from 8692' to 8940' with bit #7. MW 8.9, Vis 40, RPM 60+, WOB 45K, PP 1300, SPM 109.

3/27/03 PO Drilling at 9075'. Drill Wasatch and Mesa Verde from 8940' to 9067' with bit #7, Survey 2 1/4deg at 9040'. TOOH and lay down cracked collar and mud motor, GIH with bit #8, a Security XS-44, and new mud motor, Drill to 9075'. MW 9.0, Vis 40, RPM 55+, WOB 45K, PP 1400, SPM 107. Bit #7 made 820' in 79 hrs.

3/28/03 PO Drilling at 9320'. Drill Mesa Verde formation with bit #8 from 9075' to 9320'. MW 9.2, Vis 41, Fl 20.4, Ph 9.0, RPM 55+, WOB 40K, PP1550, SPM 105.

3/29/03 PO Repair swivel packing. Drill Mesa Verde from 9320' to 9565' with bit #8, Work on swivel packing . MW 9.2, Vis 42, Fl 21.6, Ph 9.0, RPM 55+, WOB 45, SPM 107.

3/30/03 PO TIH with bit #9. Work on swivel packing, POOH to csg shoe, cut wash pipe with welder and install new packing , replace wash pipe, POOH and Magnaflux collars and HWDP, Lay down 13 cracked collars. PU bit #9, a Security XS-44 and 14 collars and GIH. Bit #8 made 499' in 49 hrs.

3/31/03 PO Drilling at 9785'. Fin GIH with bit #9 and drill Mesa Verde formation from 9565' to 9785' with bit #9. MW 9.5, Vis 39, Fl 18, Ph 8, RPM 55+, WOB 45K, PP 1630, SPM 105.

4/1/03 PO Drilling at 10043'. Drill Mesa Verde from 9785' to 10043' with bit #9. BGG 50-250 units, MW 9.4, Vis 40, Fl 20.4, Ph 8.0, RPM 55+, WOB 45K, PP 1620, SPM 107.

4/2/03 PO Drilling at 10298'. Drill Mesa Verde from 10043' to 10298' with bit #9. MW 9.4, Vis 40, Fl 22.8, Ph 8.4, RPM 50+, WOB 45K, PP1390, SPM 106.

4/3/03 PO Drilling at 10415'. Drill Mesa Verde from 10298' to 10396' with bit #9, pump pill, TOOH, LD 8 DC's, and mud motor. GIH with bit #10, a Security XS-44 and drill to 10415'. MW 9.4, Vis 40, Fl 22, Ph 8.4, RPM 60, WOB 30, PP 1150, BGG 50-250 units.

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- 4/4/03 PO Drilling at 10682'. Drill Mesa Verde from 10415' to 10682' with bit #10. MW 9.7, Vis 42, Fl 22, Ph 7, Cl 6500, RPM 65, WOB 45K, PP 1420, SPM 111. Carrying 8-15' flare. Shows: 10435-447' 6335 units, 10545'-580' 5016 units.
- 4/5/03 PO Drilling at 10858'. Drill Mesa Verde from 10682' to 10826', lost 100 bbls mud, pump LCM pill and regain circulation, drill to 10858'. MW 10.2, Vis 46, Fl 22, Ph 7, RPM 65, WOB 45K, PP1460, SPM 106.
- 4/6/03 PO Drilling at 10883'. Drill Mesa Verde from 10858' to 10863', pump pill, POOH and Pick up bit #11, a Security XS-55, GIH and drill and circ gas to 10883'. Bit #10 made 467' in 50.5 hrs. MW 10.3, Vis 44, FL 33, Ph 7.
- 4/7/03 PO Drilling at 11007'. Drill Mesa Verde from 10883' to 11007' with bit #11. Mud going thru gas buster with 4'-12' surging flare. Shows: 10953'-960' 1131 units, 10970'-975' 1126 units. BGG 350-1250 units. MW 11.5, Vis 45, Fl 16, Ph 7, WOB 45, RPM 65, PP 1400, SPM 108.
- 4/8/03 PO Drilling at 11079'. Drill Mesa Verde from 11007' to 11045', lost circulation, PU off bottom, mix and pump LCM pill, start drilling, lost circulation again, mix LCM and build volume, resume drilling, and drill to 11079'. MW 10.9-11.5, Vis 45-55, Fl 40, Cl 6200, RPM 55, WOB 45K, PP 1380, SPM 108, BGG 3900-5100 units. Carrying 4-12' flare, drilling thru gas buster.
- 4/9/03 PO Drilling at 11175'. Drill Mesa Verde from 11079' to 11170', lost circulation, mix LCM and build volume, drill to 11175' with 5'-30' flare. MW 11.7, Vis 41, Ph 8, Cl 6400, BGG 4000-5000 units,
- 4/10/03 PO Drilling at 11349'. Drill Mesa Verde from 11175' to 11349' with a 4' to 10' flare. Show: 11199'-214' 6300 units. MW 11.8, Vis 42, Fl 14, Ph 8, Cl 6000, RPM 63, WOB 46K, PP 1430, SPM 106, BGG 4100-5200 units.
- 4/11/03 PO POOH for logs. Drill Mesa Verde from 11349' to 11469' with bit #11. Had a 6' flare and 4800 units BGG, pump pill, made 10 stand short trip, C&C mud, POOH for logs. Bit #11 made 590' in 94 ½ hrs. MW 12.0, Vis 40, Fl 18.4, Ph 8, Chl 5800, RPM 63, WOB 45K, PP1500, SPM 106.
- 4/12/03 PO LDDP. Fin POOH for logs, RU Halliburton, run triple combo log from TD to base of surface casing, RD loggers. GIH to 6000' C&C mud

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to 9000' C&C mud, GIH to TD, no fill, C&C mud, pump pill, RU
laydown machine, start OOH LDDP. MW 12.2, Vis 40.

- 4/13/03 PO WOC. FIN LDDP, LDDC's, RU casing crew, run 265 jts plus two
marker jts of 4 1/2" 13.5#, P-110, LT&C casing to 11467'. PBTD 11424'.
RU Halliburton, cement casing with 650 sxs of Halliburton Lite mixed at
12.6 ppg, followed by 2250 sxs of 50:50 Poz mixed at 13.6 ppg. Displaced
with 3% KCL water. Lost returns with 32 bbls left to displace.
Reciprocated during first half of job. WOC.
- 4/14/03 PO Rig Released. Set casing slips, cut off casing, ND BOP's, clean mud
tanks.
- 4/15/03 WO completion.

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05/01/03	Install tbg hd. Fence pit. Fill in cellar ring. PU trash on loc fr/ drlg rig. Move surf csg vlv to abv GL & install tapped bull plug w/press gauge. DC: \$ 1,940	CC: \$ 1,940
05/02/03	RU HES WL. TIH w/ GR/CCL/CBL tool & tag TD @ 11,372'. Run rpt sect & then main log - gd to excellent bond w/o applying any press fr/ TD to TOC @ 1,030'. Recorded thermometer reading of 210°. RD WL. Set tree on well. SIW. Suspend operations until further activity. DC: \$ 8,655	CC: \$10,595
06/05/03	Haul in gravel. Lay out prod'n tnk area & cover w/plastic. Bld berm around back & south end of tnk area. UL parts for prod'n facs. UL & set trash bin. DC: \$ 3,802	CC: \$14,397
06/06/03	Weld flw line fr/ WH to sep. Bld load lines. Weld out blw dwn line to wtr tnk. Set 2 new 300# bbls prod'n tnks, new 3-phase sep & dehy unit. Install landing & stairs on tnks. Install heat trace coils in prod'n tnks. DC: \$47,850	CC: \$62,247
06/07/03	Dig trenches fr/ WH to sep. fin flw line fr/ WH to sep & put in trench. Fin hook-up of blw dwn line to wtr tnk. Weld stnds for pipe to lay on fr/ sep to tnks. Start to hook-up sep to dehy gas line. DC: \$ 3,101	CC: \$65,348
06/08/03	SDFS. DC: \$ 13	CC: \$65,361
06/09/03	SDFS. DC: \$ 13	CC: \$65,375
06/10/03	Fin heat trace lines to WH & back fill trench. Run dmp lines fr/ sep & hook to tnks. Bld brace for blw dwn @ the wtr tnk. Install X-over line btwn oil & wtr tnk. Install load lines & load line containers. DC: \$ 3,139	CC: \$68,513
06/11/03	Fin hooking up dmp lines, heat trace lines & pmp, Fin gas line fr/ sep to dehy. Set meter run. Strap wtr & oil tnks as per BLM regs. Run SS line fr/ tnk to sep. Install top hatcheson both wtr & oil tnks. CC: \$ 3,253	CC: \$71,766
06/12/03	Haul in dirt & bld berm around tnks. Install catch tnk on dehy demister twr. Cln up loc. DC: \$ 2,539	CC: \$74,305
06/13/03	WOPL permits & cln-out. DC: \$ 13	CC: \$74,318
06/14/03	WOPL permits & cln-out. DC: \$ 13	CC: \$74,331
06/15/03	WOPL permits & cln-out. DC: \$ 13	CC: \$74,344
06/16/03	WOPL permits & cln-out. DC: \$ 13	CC: \$74,357
06/17/03	WOPL permits & cln-out. DC: \$ 13	CC: \$74,370
06/18/03	WOPL permits & cln-out. DC: \$ 13	CC: \$74,383

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06/19/03	WOPL permits & cln-out. DC: \$ 13	CC: \$74,396
06/20/03	WOPL permits & cln-out. Rig anchors & pull tstd on 6/15/03. DC: \$12,749	CC: \$87,145
06/21/03	WOPL permits & cln-out. DC: \$ 13	CC: \$87,158
06/22/03	Rig on loc. RU. Spot rig & stand in the air. Run tie-dwn lines & secure to anchors. MI & spot pmp & tnk. Run hrd lines fr/ pmp to WH. DC: \$ 6,611	CC: \$93,769
06/23/03	SDFS. DC: \$ 13	CC: \$93,782
06/24/03	ND tree. NU spool & BOP. Tst BOP. RU floor, slips & tongs. Back in float w/182 jts 2 $\frac{3}{8}$ " 4.7# N80 tbg. Caliper & tally bit & sub. Tally 1 st row of tbg & PU 1 st jt, make-up 3 $\frac{3}{4}$ ". Cln out bit & bit sub. Cln out wtr tnk & fill w/120 bbls 3% KCl wtr. Cont to tally & PU pipe GIH. SD due to high winds causing tbg to cross thread. Svs rig & WO wind to die dwn. Close pipe rams, install TIW vlv. SDFN. DC: \$ 5,450	CC: \$99,232
06/25/03	Cont to tally & PU tbg. Re-adjust tongs. SD due to hvy rain, hail & lightening. Tally & PU tbg GIH. First float empty. Pull empty float out & back-in 2 nd float w/183 jts 2 $\frac{3}{8}$ " 4.7# N-80 tbg & cont to tally & PU. Bit is @ 10,940'. SD 2 nd time due to inclement weather. Wind blwg too hard. SDFN. UL last 17 jts tbg on ground & send empty float to tw. n. DC: \$ 5,937	CC: \$105,169
06/26/03	Cont TIH w/bit. Tagged fill. Total TD of 11,405'. Fill vy hrd. Fin RU hrd lines to tbg. Brk circ & try to circ tbg dwn. Unable to make any hole. Stop circ & WO swivel. RU swivel. Circ & rotate pipe w/tongs. Circ up unset cmt & sml pieces of rubber. Circ hole cln. Pmpd 80 bbls to pit. SD pmp. RD circ equip & TOH LD 140 jts tbg. DC: \$37,345	CC: \$142,514
06/27/03	TOH, LD tbg. Brk off bit & bit sub. Fill hole w/3% KCl wtr. Set tongs back. RD wrk floor, ND BOP. Set tree on well as hole cover. RD pmp & lines. RD & rls rig. Install 3-sided bldg on bkds of sep to house of the meth pmps & heat trace circ pmp. Will insulate lines & put on vlv boxes @ a later time. DC: \$ 6,225	CC: \$148,739
10/30/03	Pioneer Pipe delivered 1.8 miles of 8 5/8" .188 wall X-42 PE DB linepipe to location.	
11/3/03	J&R working on pig trap and launcher, Waiting on pipeline welder.	
11/4/03	J&R working on pig trap and launcher, Waiting on pipeline welder.	
11/5/03	J&R working on pig trap and launcher, Waiting on pipeline welder.	
11/6/03	Knight Oil tools set 4 1/16" 10,000# frac head with flow tee. Side outlet 2 1/16 10,000#. RU Double Jack testers and test wellhead and casing to 8500 psi for 10 min. OK. Still waiting on pipeline welder.	
11/7/03	WO pipeline welders.	
11/8/03	Three pipelines welders are starting work today, will work through weekend. Anticipate pipeline completion in one week.	
11/9/03	Welding 8 5/8" Pipeline.	

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11/10/03 Welding 8 5/8" Pipeline.

11/11/03 Welding 8 5/8" Pipeline.

11/12/03 Welding 8 5/8" Pipeline 60% complete.

11/13/03 Welding 8 5/8" pipeline, 70 % complete. Move in first frac tank, begin moving water from Lytham 22-22 well to Fed 32-31 well. Plan to move in two new tanks and eight tanks from Lytham, leaving eight full tanks on Lytham for potential fracs.

11/14/03 Move in tanks and haul water. Weld on pipeline.

11/15/03 Move in tanks and haul water. Weld on pipeline

11/16/03 Move in tanks and haul water. Weld on pipeline

11/17/03 Move in a total of 16 tanks and haul water. Weld on pipeline

11/18/03 RNI finished filling all 16 tanks with 2% KCL. Weld on pipeline, all pipe welded into sections, will finish dragging last sections into place today.

11/19/03 RU Schlumberger wireline (Bryan). Perforate Castlegate 11380'-11390' 3 SPF with a 3 3/8" Power Jet csg gun. RU frac equipment Break down Castlegate at 4793 psi. Frac well using 55,000 gal of 2% KCL slickwater and 63840# of 20-40 sand at 40 BPM. ATP 5723 psi. Well screened-out after pumping 20 bbls of flush. Max press 8868 psi. RU flowback manifold and flowback approx 300 bbls of water and sand to pit. Switch well to tank at 6PM on a 14/64 ck with 1600 psi FCP. Flowed well 12 hrs on a 14/64 ck with 900 # CP and made 327 BF. Total Recovery 627 BF. BLWTR 682.

11/20/03 GIH and set a Halco 10K frac plug at 11230'. Perforate Mesaverde 11200'-11205' 3SPF with a 3 3/8" Power Jet gun. Made second run and perforate 11145'-11155' and 11105'-11110' 3 SPF. RU Schlumberger frac equipment and break down perfs with 5700psi. Frac stage 2 with 46365# of 20-40 sand using 52900 gal of 2% KCL slickwater at 50BPM. ATP 6517 psi. ISIP 4604 psi. Set Halco 10K plug at 10810'. Perforate Stage 3 as follows: 10775'-780', 10698'-703', 10598'-603', 10564'-569' 3 SPF with a 3 3/8" Power Jet gun. Attempt to frac stage 3 at 50 BPM ATP 8500psi. Calculate 12 holes open, pump 2 1/4# sand slugs, pressure dropped to 8000 psi on first slug, did not change on second slug. Calculate 16 holes open. Decided to shut down frac and flowback overnite and attempt to open more holes in morning. Turn well on a 12/64 ck at 6 PM. Flow well overnight and made 672 BF. Made medium sand from 7PM to 10PM. Final FCP 2600psi. TR 1299 BF. BLWTR 2280.

11/21/03 RU Schlumberger, Establish injection rate of 44 BPM at 8400 psi. Pump 1000 gal of 15 % HCL with 100 ball sealers. Saw 2 major pressure increases with breaks. Surge well to pit 3 times. Establish injection rate of 50 BPM at 8100 psi. RU perforators and reperf all four zones 3 SPF with a 3 3/8" Power jet gun. Found ball sealers stuck in upper three zones. Establish rate of 50 BPM at 6950 psi. Pump 1/2 ppg stage-pressure increasing, pump 1 PPG stage, well screened-out after pumping 22,000# of 20-40 sand with 8600 psi. 695 BLWTR. 12,000 # in perfs. Flow well back to pit on a 14/64 ck with 4000 psi SICP, cut out three chokes unloading sand and frac balls in first three hours. Flowed well 17 hrs on a 12/64 ck. Recovered 57 frac balls and sand, choke plugged frequently. Made 771 BF. BLWTR 2204

11/22/03 RU Schlumberger Wireline Perforate Stage #4 9019'-9029' and 8943'-8953' 3 SPF. Frac stage 4 with 86,430# of 20-40 sand using 1955 bbls of 2% KCL slickwater. ATP5300 psi at 47 BPM. Initial ISIP 3702, Final ISIP 4030 psi. Ran frac plug and set same at 7510'. Perforate 7474'-7484' 3 SPF with a 3 3/8" Power-Jet gun. Try to break down well for frac. Pressure up to 8500psi, no break, surge well to pit, repeat several times, were unable to pump in well. SDFN Flowed well back on a 14/64 choke, well died after recovering 115 bbls. Shut in-built to 900 psi in 1 hour, surge to pit, well died, repeated all night. Suspect

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plug #2 is sanded off, preventing flow from Stages #1 & 2. Recovered 115 BF. Total Recovery 2751. BLWTR 4044.

- 11/23/03 Pipeline all welded, working on tie-ins. Hung and calibrated Gasco meter house. Blender starter motor broken, could not try pump-in test. GIH with perf gun and tagged sand at 7440'. Tried flowing well, got gun down to 7460. Could go no further. Gun stuck, work gun and flow well for 1 hour, worked free and POOH. GIH and perf stage #6 6675'-6685' and 6435'-6440'. RD Schlumberger wireline. Finish repairing blender. Break down Wasatch at 2550 psi. Frac stage #6 with 98,800# of 20-40 sand using 1732 bbls of 2 % KCL slickwater. ATP 2250 psi at 45.9 BPM. ISIP 1190 psi. Flowed well 13 hrs on a 16/64 ck and recovered 641 BR. Had medium-heavy sand for 3 hours. Final flowing pressure 700# FCP. Total Recovery 2866 BF. BLWTR 5135.
- 11/24/03 Flowed well 24 hrs and made . Well flowing to pit with 0 psi FCP.
- 11/25/03 Move in Leed well Service and Cudd Pressure Control. Rig up rig and snubber. Make up bit, bit sub, joint of 2 3/8, X nipple, joint of 2 3/8". Slips opened dropping tools in hole.
- 11/26/03 Pick up 2 3/8" 4.7# N-80 tubing and GIH to top of fish at 7040'. Screw into fish, try to circulate, bit plugged. POOH. Found bottom joint of tubing plugged with sand. Clean out BHA and prepare to GIH. SDFN. Well flowing slightly to pit with 0 pressure.
- 11/27/03 GIH with bit, pump off bit sub, joint, X nipples, and 2 3/8" tubing. Wash sand to 7300', was not getting good sand returns in fluid, concerned about getting stuck in fluidized sand. Pick up out of sand and SDFN.
- 11/28/03 SDF Thanksgiving.
- 11/29/03 RU air foam unit. Circulate out sand to 7510'. Well came in flowing with 650 psi FCP on 2-2" lines to pit. Decided to suspend operations until well has calmed down. Hang tubing on spare set of slips on top of BOP'S, close rams on tubing. Return well to flowback crew. RD MO Leed well service, move rig to Lytham 22-22-9-19.
- 11/30/03 Flowed well 19 hrs on a 16/64 ck with 1175# to 1600# FCP. Made 495 BF. Total Recovery 3278. BLWTR 4640.
- 12/1/03 Flowed well 23 hrs on a 16/64 ck with 1500# FCP. Made 410 BF. Total recovery 3686 BF. BLWTR 4230.
- 12/2/03 Flowed well 24 hrs on a 16/64 ck with 1500 # FCP decreasing to 1475# at end of 24 hr period. Made 260 BF. Very gassy. Total recovery 3946 BF. BLWTR 3970. Installing Dominion meter house. Will be installed and calibrated, ready for first sales on late Wednesday, Dec. 3rd or on Thursday, Dec. 4th.
- 12/3/03 Flowed well 24 hrs on a 20/64 ck with 1300# FCP decreasing to 1100# FCP. Increased ck size to decrease pressure to ensure Wasatch flowback. Made 249 BF. Total recovery 4195. BLWTR 3721. Making medium gas with slugs of water. Dominion meter house should be calibrated today and then ready for gas sales. Moving in Pool Well Service rig to drill out plugs. RU today. Moving in snubbing and foam units tomorrow for plug drill outs.
- 12/4/03 Flowed well 24 hrs on a 20/64 ck with 1150# FCP decreasing to 1100# FCP. Made 257 BF. Total recovery 4452 BF. BLWTR 3464. No report today on how gassy. MIRU Pool Well Service. MI Cudd snubbing unit. Prepare to drill out plugs using Weatherford foam unit. Dominion sales meter calibrated and tied-in.
- 12/5/03 Drill frac plugs and clean out sand with air foam brine to top of plug #1 at 11230'. SDFN
- 12/6/03 Drill out frac plug at 11230' with brine air foam. Clean out well to PBTD. Pick up and hang off tubing at 6350'. RDMO Pool Well Service and Cudd Pressure Control. Blow well to pit

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for 1 hour to clean up. Test and fire up production equipment, put well down sales line at 1260 MCFPD rate. 5PM 12/5/03 First Production. Flowed well 13 ½ hours on a 16/64 choke and made 707 MCF, 23 BW 15 BC with 925 psi FTP.

12/7/03	Flowed well 24 hrs and made 1162 MCF, 20 BC, 65 BW on a 16/64 ck with 975 FTP, 1100 CP, 181 LP.
12/8/03	Flowed well 24 hrs and made 1146 MCF, 18 BC, 42 BW on a 16/64 ck with 950 FTP, 1100 CP, 157 LP.
12/9/03	Flowed well 24 hrs and made 1110MCF, 11 BC, 46 BW, on a 16/64 ck with 950 FTP, 1100 CP, 140 LP.
12/10/03	Flowed well 24 hrs and made 1086 MCF, 0 BC, 108 BW, on a 16/64 ck with 950 FTP, 1100 CP. 130 LP
12/11/03	Flowed well 24 hrs and made 1084 MCF, 0 BC, 98 BW on a 16/64 ck with 900 FTP, 1100 CP, 120 LP.
12/12/03	Flowed well 24 hrs and made 1066 MCF, 1 BC, 100 BW on a 16/64 ck with 860 FTP, 1100 CP, 130 LP.
12/13/03	Flowed well 24 hrs and made 1052 MCF, 5 BC, 84 BW on a 16/64 ck with 825 FTP, 1100 CP, 160 LP, BLWTR 2898
12/14/03	Flowed well 24 hrs and made 1045 MCF, 0 BC, 94 BW on a 16/64 ck with 840 FTP, 1075 CP, 171 LP, BLWTR 2804.
12/15/03	Flowed well 24 hrs and made 1033 MCF, 0 BC, 90 BW on a 16/64 ck with 850 FTP, 1075 CP, 177 LP, BLWTR 2714.
12/16/03	Flowed well 24 hrs and made 1025 MCF, 0 BC, 92 BW on a 16/64 ck with 800 FTP, 1000 CP, 171 LP, BLWTR 2622.
12/17/03	Flowed well 24 hrs and made 1018 MCF, 0 BC, 78 BW on a 16/64 ck with 800 FTP, 1050 CP, 162 LP, BLWTR 2544.
12/18/03	Flowed well 24 hrs and made 1019 MCF, 0 BC, 100 BW on a 16/64 ck with 825 FTP, 1050 CP, 167 LP, 2444 BLWTR.
12/19/03	
12/20/03	Flowed well 16 hrs and made 933 MCF, 0 BC, 100 BW on a 16/64 ck with 900 FTP, 1100 CP, 140 LP.
12/21/03	Flowed well 24hrs and made 1098 MCF, 0 BC, 104 BW on a 16/64 ck with 875 FTP, 1100 CP, 133 LP.
12/22/03	Flowed well 24hrs and made 1054 MCF, 0 BC, 91 BW on a 16/64 ck with 850 FTP, 1050 CP, 138 LP
12/23/03	Flowed well 24 hrs and made 1035 MCF, 0 BC, 109 BW on a 16/64 ck with 850 FTP, 1050 CP, 134 LP.
12/24/03	Flowed well 24 hrs and made 1017 MCF, 0 BC, 92 BW on a 16/64 ck with 825 FTP, 1000 CP, 134 LP.
12/25/03	Flowed well 24 hrs and made 1010 MCF, 0 BC, 95BW on a 16/64 ck with 800 FTP, 1000 CP, 157 LP.

SCO ENERGY - FEDERAL 32-31-9-19
SWNE Sec. 31-09S-19E
Uintah County, Utah
DAILY COMPLETION REPORT

12/26/03 Flowed well 24 hrs and made 1004 MCF, 0 BC, 86 BW on a 16/64 ck with 750 FTP, 1000 CP, 140 LP.

12/27/03 Flowed well 24 hrs and made 1035 MCF, 0 BC, 109 BW on a 16/64 ck with 850 FTP, 1050 CP, 134 LP.

12/28/03 Flowed well 24 hrs and made 989 MCF, 0 BC, 88 BW on a 16/64 ck with 700 FTP, 975 CP, 154 LP.

12/29/03 Flowed well 24 hrs and made 986 MCF, 0 BC, 75 BW on a 16/64 ck with 750 FTP, 1000 CP, 156 LP.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

UTU-76489

1a. Type of Well ☐ Oil ☒ Gas ☐ Dry Other
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

NA

7. Unit or CA Agreement Name and No.

NA

8. Lease Name and Well No.

Federal 32-31-9-19

9. API Well No.

43-047-34201

2. Name of Operator

Gasco Energy Inc. / Pannonian Energy Inc.

3. Address

14 Inverness Drive East, Englewood, CO 80112

3a. Phone No. (include area code)

303-483-0044

4. Location of Well (Report locations clearly and in accordance with Federal requirements) *

At surface 2162' FNL, 1857' FEL, SWNE

At top prod. interval reported below SAME

At total depth SAME

14. Date Spudded

10/25/02

15. Date T.D. Reached

04/10/03

16. Date Completed

☐ D & A☒ Ready to Prod.

12/05/03

17. Elevations (DF, RKB, RT, GL)*

4894' KB; 4880' GL

18. Total Depth: MD 11469
TVD19. Plug Back T.D.: MD 11405
TVD20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

FDC/CNL/GR/SP: GR/CCL/CBL/VDL

22. Was well cored?

☐ No☐ Yes (Submit analysis)

Was DST run?

☐ No☐ Yes (Submit copy)

Directional Survey?

☐ No☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8" H40	48#	surface	225'	225'	225 CI "G"		surface	
11"	8-5/8" J55	32#	surface	3512'	3512'	410 Lite + 200 CI "G"		surface	
7-7/8"	4-1/2" P110	13.5#	surface	11467'	11467'	650 LITE + 2250- 50/50 Poz		1030' CBL	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2-3/8"	6350'	none						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Castlegate	11380	11390	11380-11390	3-3/8" gun, .34" EHD	30	producing
B) Mesaverde	11105	11205	11105-10, 11145-55, 11200-205	3-3/8" gun, .34" EHD	60	producing
C) Mesaverde	10564	10780	10564-69, 598-603, 698-703, 775-80	3-3/8" gun, .34" EHD	60	producing
D) Mesaverde	8943	9029	8943-953, 9019-9029	3-3/8" gun, .34" EHD	60	producing
E) Wasatch	7474	7484	7474-7484	3-3/8" gun, .34" EHD	30	producing
F) Wasatch	6435	6675	6435-6440, 6675-6685	3-3/8" gun, .34" EHD	45	producing
G)						

26. Perforation Record

Depth Interval	Amount and type of Material
11380-11390	55,000 gals fluid, 63,840# 20/40 Ottawa Sand
11105-11205	52,900 gals fluid & 46,365# 20/40 Sand
10564-10780	20,000 gals fluid & 22,000# 20/40 Ottawa sd
8943-9029	82,110 gals fluid & 86,430# 20/40 Ottawa sd
7474-7484	none
6435-6675	72,744 gals fluid & 98,800# 20/40 sd

FEB 20 2004

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Date First Produced	Test Date	Hours Tested	Test Product	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/05/03	12/06/03	24	➔	20	1,162	65	54		Flowing
16/64"	Tbg. Press. Flwg. SI	975 FTP	1100 CP ➔	20	1162	65			Sales

28a. Production

Date First Produced	Test Date	Hours Tested	Test Product	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	Test Product ➔	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	

(See instructions and spaces for additional data on reverse side)

28b. Production

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28b. Production

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Uintah	Surface	1,610			
Green River	1,610	5,136			
Wasatch	5,136	8,930			
Mesaverde	8,930	TD	TD @ 11,469' within Mesaverde		

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 5. Core Analysis 7. Other Daily Summary of Operations

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

John Longwell

Title

Operations Manager

Signature

Date

12-Jan-04

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Dry Other		8. Lease Name and Well No. Federal 32-31-9-19	
b. Type of Completion: <input checked="" type="checkbox"/> New <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		9. ADI Well No. 43-047-34201	
2. Name of Operator Gasco Energy Inc. / Pannonian Energy Inc.		10. Field and Pool or Exploratory Riverbend	
3. Address 14 Inverness Drive East, Englewood, CO 80112		11. Sec., T., R., M., or Block and Survey or Area 31-T9S-R19E	
3a. Phone No. (include area code) 303-483-0044		12. County or Parish Utah	
4. Location of Well (Report locations clearly and in accordance with Federal requirements)* At surface 2162' FNL, 1857' FEL, SWNE At top prod. interval reported below SAME At total depth SAME		13. State Utah	
14. Date Spudded 10/25/02	15. Date T.D. Reached 04/10/03	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/05/03	
17. Elevations (DF, RKB, RT, GL)* 4894' KB; 4880' GL			
18. Total Depth: MD 11469 TVD	19. Plug Back T.D.: MD 11405 TVD	20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HRT, SP/DSE, MUDLOG, (FDC/CNL/GR/SP: GR/CCL/CBL/VDL)		22. Was well cored? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy) Directional Survey? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8" H40	48#	surface	225'	225'	225 CI "G"		surface	
11"	8-5/8" J55	32#	surface	3512'	3512'	410 Lite + 200 CI "G"		surface	
7-7/8"	4-1/2" P110	13.5#	surface	11467'	11467'	650 LITE + 2250- 50/50 Poz		1030' CBL	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2-3/8"	6350'	none						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Castlegate	11380	11390	11380-11390	3-3/8" gun, .34" EHD	30	producing
B) Mesaverde	11105	11205	11105-10, 11145-55, 11200-205	3-3/8" gun, .34" EHD	60	producing
C) Mesaverde	10564	10780	10564-69,598-603,698-703,775-80	3-3/8" gun, .34" EHD	60	producing
D) Mesaverde	8943	9029	8943-953, 9019-9029	3-3/8" gun, .34" EHD	60	producing
E) Wasatch	7474	7484	7474-7484	3-3/8" gun, .34" EHD	30	producing
F) Wasatch	6435	6675	6435-6440, 6675-6685	3-3/8" gun, .34" EHD	45	producing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
11380-11390	55,000 gals fluid, 63,840# 20/40 Ottawa Sand
11105-11205	52,900 gals fluid & 46,365# 20/40 Sand
10564-10780	20,000 gals fluid & 22,000# 20/40 Ottawa sd
8943-9029	82,110 gals fluid & 86,430# 20/40 Ottawa sd
7474-7484	none
6435-6675	72,744 gals fluid & 98,800# 20/40 sd

28. Production - Interval A-F Commingled Mesaverde & Wasatch

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/05/03	12/06/03	24	➔	20	1,162	65	54		Flowing
16/64"	Tbg. Press. Flwg. SI	975 FTP	1100 CF ➔	20	1162	65			Sales

28a. Production

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			➔						

(See instructions and spaces for additional data on reverse side)

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MAR 29 2004

DIV. OF OIL, GAS & MINING

28b. Production

Date First Produced	Test Date	Hours Tested	Test Production →	Oil Bbl	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28b. Production

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Uintah	Surface	1,610	TD @ 11,469' within Mesaverde		
Green River	1,610	5,136			
Wasatch	5,136	8,930			
Mesaverde	8,930	TD			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|--|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 5. Core Analysis | 7. Other. Daily Summary of Operations | |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

John Longwell

Title

Operations Manager

Signature

Date

12-Jan-04

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Gasco Production Company <i>N2575</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 114 Inverness Dr. East CITY Englewood STATE CO ZIP 80112 PHONE NUMBER: (303) 483-0044		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		8. WELL NAME and NUMBER: see attached list
		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: name change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Pannonian Energy, Inc. changed its name to Gasco Production Company effective February 24, 2004

N1815

BLM Bond = UT1233

SITLA Bond = 4127764

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APR 22 2004

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <i>Mark J. Choury</i>	TITLE <i>Land Manager</i>
SIGNATURE <i>Mark J. Choury</i>	DATE <i>4/20/04</i>

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
 2. CDW
 3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

2/24/2004

FROM: (Old Operator):
 N1815-Pannonian Energy, Inc.
 114 Inverness Dr E
 Englewood, CO 80112
 Phone: 1-(303) 483-0044

TO: (New Operator):
 N2575-Gasco Production Company
 114 Inverness Dr E
 Englewood, CO 80112
 Phone: 1-(303) 483-0044

CA No.

Unit:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
K GATE CYN 31-21-11-15	21	110S	150E	4301332391	✓ 13787	State	GW	DRL	C
K GATE CYN 41-20-11-15	20	110S	150E	4301332475		State	GW	APD	
K WILKIN RIDGE STATE 12-32-10-17	32	100S	170E	4301332447	✓ 14033	State	GW	DRL	C
K STATE 24-16-9-19	16	090S	190E	4304735588		State	GW	NEW	C
• FED 23-21-9-19	21	090S	190E	4304734199	✓ 13601	Federal	GW	P	
K FED 11-21-9-19	21	090S	190E	4304734608		Federal	GW	APD	
K FED 42-21-9-19	21	090S	190E	4304735405		Federal	GW	APD	C
K FEDERAL 31-21-9-19	21	090S	190E	4304735606		Federal	GW	APD	C
K LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	✓ 13640	Federal	GW	P	
K FED 11-22-9-19	22	090S	190E	4304735404		Federal	GW	APD	C
• FEDERAL 23-29 #1	29	090S	190E	4304734111	✓ 13441	Federal	GW	P	
• FED 42-29-9-19	29	090S	190E	4304734202	✓ 13455	Federal	GW	P	
K FEDERAL 43-30-9-19	30	090S	190E	4304735343		Federal	GW	APD	C
• FED 32-31-9-19	31	090S	190E	4304734201	✓ 13641	Federal	GW	P	
• FEDERAL 24-31-9-19	31	090S	190E	4304735623		Federal	GW	NEW	C
K FEDERAL 41-31-9-19	31	090S	190E	4304735624		Federal	GW	APD	C
K FEDERAL 21-6-10-19	06	100S	190E	4304734813		Federal	GW	LA	C
K FED 22-30-10-18	30	100S	180E	4304734924		Federal	GW	APD	C
• LAFKAS FED 1-3	03	110S	200E	4304731178	✓ 1367	Federal	GW	S	
• WILLOW CREEK UNIT 2	05	110S	200E	4304731818	✓ 11604	Federal	GW	TA	
• HILL FEDERAL 1-10	10	110S	200E	4304731026	✓ 1368	Federal	GW	TA	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/22/2004

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/22/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 4/21/2004

4. Is the new operator registered in the State of Utah: YES Business Number: ***

5. If **NO**, the operator was contacted on: *** 4/21/2004

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM in process BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: in process

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 4/29/2004
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 4/29/2004
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 4/22/2004

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 4127764

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 4127759

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 4127765

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

This is a corporate name change within the same corporation and it's subsidiaries

WELL NAME	API #	LOCATION	COUNTY	Status
Federal 23-29 #1	43-047-34111	NESW, Sec. 29, T9S, R19E	Uintah	P
Federal 42-29-9-19	43-047-34202	SENE, Sec. 29, T9S, R19E	Uintah	P
Lytham Federal 22-22-9-19	43-047-34807	SENE, Sec. 22, T9S, R19E	Uintah	P
Federal 32-31-9-19	43-047-34201	SWNE, Sec. 31, T9S, R19E	Uintah	P
Alger Pass Unit #1	43-047-31824	SWNE, Sec. 2, T11S, R19E	Uintah	P
Gate Canyon State 31-21-11-15	43-013-32391	NWNE, Sec. 21, T11S, R15E	Duchesne	DRL
Wilkin Ridge State 12-32-10-17	43-013-32447	SWNW, Sec. 32, T10S, R17E	Duchesne	DRL
Willow Creek # 2	43-047-31818	SESW, Sec. 5, T11S, R20E	Uintah	TA
Hill Federal #1-10	43-047-31026	NESW, Sec. 10, T11S, R20E	Uintah	TA
Federal 23-21-9-19	43-047-34199	NESW, Sec. 21, T9S, R19E	Uintah	P
Federal 43-30-9-19	43-047-35343	NESE, Sec. 30, T9S, R19E	Uintah	APD
Gate Canyon State 41-20-11-15	43-013-32475	NENE, Sec. 20, T11S, R15E	Duchesne	APD
Federal 11-21-9-19	43-047-34608	NWNW, Sec. 21, T9S, R19E	Uintah	APD
Federal 11-22-9-19	43-047-35404	NWNW, Sec. 22, T9S, R19E	Uintah	APD
Federal 22-30-10-18	43-047-34924	SENE, Sec. 30, T10S, R18E	Uintah	APD
State 24-16-9-19	43-047-35588	SESW, Sec. 16, T9S, R19E	Uintah	NEW
Lafkas Federal 1-3	43-0473-31178	SWSW, Sec. 3, T11S, R20E	Uintah	S
Federal 21-6-9-19	43-047-34813	NENW, Sec. 6, T9S, R19E	Uintah	APD
Federal 42-21-9-19	43-047-35405	SENE, Sec. 21, T9S, R19E	Uintah	APD
Federal 31-21-9-19	43-047-35606	NWNE, Sec. 21, T9S, R19E	Uintah	APD
Federal 41-31-9-19	43-047-35624	NENE, Sec. 31, T9S, R19E	Uintah	APD
Federal 24-31-9-19	43-047-35623	SESW, Sec. 31, T9S, R19E	Uintah	NEW
Wilkin Ridge Federal 34-17-10-17	43-013-32560	SWSE, Sec. 17, T10S, R17E	Duchesne	APD

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APR 30 2004
DIV. OF OIL, GAS & MIN.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

May 18, 2004

Memorandum

To: Vernal Field Office, Moab Field Office
From: Chief, Branch of Minerals Adjudication
Subject: Name Change Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the name change from Pannonian Energy Inc., into Gasco Production Company is effective February 24, 2004.

/s/ Robert Lopez

Robert Lopez
Chief Branch of
Minerals Adjudication

Enclosure

1. State of Utah Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

RECEIVED

MAY 20 2004

DIV. OF OIL, GAS

Nordstrom:05/18/2004

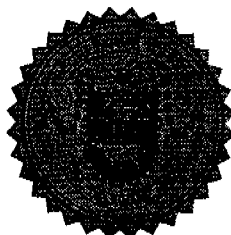
Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PANNONIAN ENERGY INC.", CHANGING ITS NAME FROM "PANNONIAN ENERGY INC." TO "GASCO PRODUCTION COMPANY", FILED IN THIS OFFICE ON THE TWENTY-FOURTH DAY OF FEBRUARY, A.D. 2004, AT 12:43 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2899291 8100

040133641

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2963993

DATE: 03-02-04

03576	69096	76811
01562B	70847	76812
0125822	70848	76814
013429A	70849	76818
013766	70850	77063
013820	70887	77336
013821A	70888	78214
0147541	70889	78215
0147514A	71401	78216
016869A	72013	78433
017713	73165	79784
017991	73425	80593
018260A	73664	80679
035316	73666	
058148	73669	
	74387	
	74395	
8344	74396	
8346	74397	
8648	74401	
	74403	
28212	74407	
34350	74968	
37246	74971	
39223	75079	
44089	75088	
44090A	75231	
60748A	75233	
60748X	75232	
62159	75235	
64921	75236	
65319	75514	
65323	75515	
65324	75670	
65767	75672	
65773	76031	
65776	76032	
65779	76033	
65782	76034	
65783	76057	
65785	76256	
66798	76262	
66800	76478	
67253	76489	
68387	76490	
68620	76760	
69003	76761	
69094	76809	
69095	76810	

Gasco Production

api	twsp	rng	sec	well_name	lease_num	stat	la_pa
4304734168	090S	190E	20	FED 24-20-9-19	UTU-75090	DRL	
4304734169	090S	190E	20	FED 44-20-9-19	UTU-75090	DRL	
4304734199	090S	190E	21	FED 23-21-9-19	UTU-78433	P	
4304734608	090S	190E	21	FED 11-21-9-19	UTU-78433	DRL	
4304735405	090S	190E	21	FED 42-21-9-19	UTU-78433	APD	
4304735606	090S	190E	21	FEDERAL 31-21-9-19	UTU-78433	APD	
4304734607	090S	190E	22	LYTHAM FED 22-22-9-19	UTU-78433	P	
4304735404	090S	190E	22	FED 11-22-9-19	UTU-78433	DRL	
4304733653	090S	190E	29	FEDERAL 31-29	UTU-76262	P	
4304733750	090S	190E	29	FEDERAL 34-29	UTU-76034	P	
4304734111	090S	190E	29	FEDERAL 23-29 #1	UTU-76262	P	
4304734202	090S	190E	29	FED 42-29-9-19	UTU-76262	P	
4304735343	090S	190E	30	FEDERAL 43-30-9-19	UTU-37246	DRL	
4304734201	090S	190E	31	FED 32-31-9-19	UTU-76489	P	
4304735623	090S	190E	31	FEDERAL 24-31-9-19	UTU-019880A	APD	
4304735624	090S	190E	31	FEDERAL 41-31-9-19	UTU-019880A	APD	
4304734286	100S	170E	12	PETES WASH 23-12 #1	UTU-77063	P	
4301332560	100S	170E	17	WILKIN RIDGE FED 34-17-10-17	UTU-043615	APD	
4304734551	100S	170E	24	FED 43-24-3 #1	UTU-74401	P	
4304733983	100S	180E	07	FEDERAL 24-7 #1	UTU-68387	P	
4304734539	100S	180E	18	FED 14-18-2 #1	UTU-74971	P	
4304735808	100S	180E	22	FEDERAL 11-22-10-18	UTU-018260A	APD	
4304734924	100S	180E	30	FED 22-30-10-18	UTU-74408	APD	
4304734813	100S	190E	06	FED 21-6-10-19	UTU-76490	LA	3/30/2004
4304731178	110S	200E	03	LAFKAS FED 1-3	U-34350	S	
4304731818	110S	200E	05	WILLOW CREEK UNIT 2	U-39223	TA	
4304731026	110S	200E	10	HILL FEDERAL 1-10	U-44089	TA	

43-047-34201

- 12/3/03 Flowed well 24 hrs on a 20/64 ck with 1300# FCP decreasing to 1100# FCP. Increased ck size to decrease pressure to ensure Wasatch flowback. Made 249 BF. Total recovery 4195. BLWTR 3721. Making medium gas with slugs of water. Dominion meter house should be calibrated today and then ready for gas sales. Moving in Pool Well Service rig to drill out plugs. RU today. Moving in snubbing and foam units tomorrow for plug drill outs.
- 12/4/03 Flowed well 24 hrs on a 20/64 ck with 1150# FCP decreasing to 1100# FCP. Made 257 BF. Total recovery 4452 BF. BLWTR 3464. No report today on how gassy. MIRU Pool Well Service. MI Cudd snubbing unit. Prepare to drill out plugs using Weatherford foam unit. Dominion sales meter calibrated and tied-in.
- 12/5/03 Drill frac plugs and clean out sand with air foam brine to top of plug #1 at 11230'. SDFN
- 12/6/03 Drill out frac plug at 11230' with brine air foam. Clean out well to PBTD. Pick up and hang off tubing at 6350'. RDMO Pool Well Service and Cudd Pressure Control. Blow well to pit for 1 hour to clean up. Test and fire up production equipment, put well down sales line at 1260 MCFPD rate. 5PM 12/5/03 First Production. Flowed well 13 1/2 hours on a 16/64 choke and made 707 MCF, 23 BW 15 BC with 925 psi FTP.
- Tests* 12/7/03 Flowed well 24 hrs and made 1162 MCF, 20 BC, 65 BW on a 16/64 ck with 975 FTP, 1100 CP, 181 LP.
- 12/8/03 Flowed well 24 hrs and made 1146 MCF, 18 BC, 42 BW on a 16/64 ck with 950 FTP, 1100 CP, 157 LP.
- 12/9/03 Flowed well 24 hrs and made 1110MCF, 11 BC, 46 BW, on a 16/64 ck with 950 FTP, 1100 CP, 140 LP.
- 12/10/03 Flowed well 24 hrs and made 1086 MCF, 0 BC, 108 BW, on a 16/64 ck with 950 FTP, 1100 CP. 130 LP
- 12/11/03 Flowed well 24 hrs and made 1084 MCF, 0 BC, 98 BW on a 16/64 ck with 900 FTP, 1100 CP, 120 LP.
- 12/12/03 Flowed well 24 hrs and made 1066 MCF, 1 BC, 100 BW on a 16/64 ck with 860 FTP, 1100 CP, 130 LP.
- 12/13/03 Flowed well 24 hrs and made 1052 MCF, 5 BC, 84 BW on a 16/64 ck with 825 FTP, 1100 CP, 160 LP, BLWTR 2898
- 12/14/03 Flowed well 24 hrs and made 1045 MCF, 0 BC, 94 BW on a 16/64 ck with 840 FTP, 1075 CP, 171 LP, BLWTR 2804.
- 12/15/03 Flowed well 24 hrs and made 1033 MCF, 0 BC, 90 BW on a 16/64 ck with 850 FTP, 1075 CP, 177 LP, BLWTR 2714.
- 12/16/03 Flowed well 24 hrs and made 1025 MCF, 0 BC, 92 BW on a 16/64 ck with 800 FTP, 1000 CP, 171 LP, BLWTR 2622.
- 12/17/03 Flowed well 24 hrs and made 1018 MCF, 0 BC, 78 BW on a 16/64 ck with 800 FTP, 1050 CP, 162 LP, BLWTR 2544.
- 12/18/03 Flowed well 24 hrs and made 1019 MCF, 0 BC, 100 BW on a 16/64 ck with 825 FTP, 1050 CP, 167 LP, 2444 BLWTR.
- 12/19/03

ASCO ENERGY - FEDERAL 32-31-9-19
SWNE Sec. 31-09S-19E
Uintah County, Utah
DAILY COMPLETION REPORT

12/20/03 Flowed well 16 hrs and made 933 MCF, 0 BC, 100 BW on a 16/64 ck with 900 FTP, 1100 CP, 140 LP.

12/21/03 Flowed well 24hrs and made 1098 MCF, 0 BC, 104 BW on a 16/64 ck with 875 FTP, 1100 CP, 133 LP.

12/22/03 Flowed well 24hrs and made 1054 MCF, 0 BC, 91 BW on a 16/64 ck with 850 FTP, 1050 CP, 138 LP

12/23/03 Flowed well 24 hrs and made 1035 MCF, 0 BC, 109 BW on a 16/64 ck with 850 FTP, 1050 CP, 134 LP.

12/24/03 Flowed well 24 hrs and made 1017 MCF, 0 BC, 92 BW on a 16/64 ck with 825 FTP, 1000 CP, 134 LP.

12/25/03 Flowed well 24 hrs and made 1010 MCF, 0 BC, 95BW on a 16/64 ck with 800 FTP, 1000 CP, 157 LP.

12/26/03 Flowed well 24 hrs and made 1004 MCF, 0 BC, 86 BW on a 16/64 ck with 750 FTP, 1000 CP, 140 LP.

12/27/03 Flowed well 24 hrs and made 1035 MCF, 0 BC, 109 BW on a 16/64 ck with 850 FTP, 1050 CP, 134 LP.

12/28/03 Flowed well 24 hrs and made 989 MCF, 0 BC, 88 BW on a 16/64 ck with 700 FTP, 975 CP, 154 LP.

12/29/03 Flowed well 24 hrs and made 986 MCF, 0 BC, 75 BW on a 16/64 ck with 750 FTP, 1000 CP, 156 LP.

12/30/03 Flowed well 24 hrs and made 981 MCF, 0 BC, 68 BW on a 16/64 ck with 800 FTP, 1000CP, 150 LP.

12/31/03 Flowed well 24 hrs and made 975 MCF, 0 BC, 64 BW on a 16/64 ck with 770 FTP, 950 CP, 153 LP.

1/1/04 Flowed well 24 hrs and made 969 MCF, 0 BC, 62 BW on a 16/64 ck with 700 FTP, 850 CP, 135 LP. Pigged line and recovered 13 BF.

1/2/04 Flowed well 24 hrs and made 965 MCF, 0 BC, 61 BW on a 16/64 ck with 750 FTP, 950 CP, 259 LP.

1/3/04 Flowed well 12 hrs and made 490 MCF, 0 BC, 30 BW on a 16/64 ck with 1500 FTP, 1550 CP, 591 LP. Dominion compressor down, sales thru leaking Hi-Lo valve.

1/4/04 Flowed well 12 hrs and made 692 MCF, 0 BC, 0 BW on a 16/64 ck with 1550 FTP, 1600 CP, 687 LP. Dominion compressor down. Sales thru leaking Hi-Lo valve.

1/5/04 Flowed well 3 hrs and made 105 MCF, 0 BC, 0 BW on a 16/64 ck with 1750 FTP, 1825 CP, 687 LP. Dominion compressor down.

1/6/04 Flowed well 16 hrs and made 555 MCF, 0 BC, 70 BW on a 16/64 ck with 1300 FTP, 1500 CP, 130 LP. Compressor back on at 1 am.

1/7/04 Flowed well 24 hrs and made 1168 MCF, 0 BC, 85 BW on a 16/64 ck with 900 FTP, 1150 CP, 160 LP

1/8/04 Flowed well 24 hrs and made 933 MCF, 0 BC, 80 BW on a 16/64 ck with 900 FTP, 1150 CP, 136 LP. Water dump cut out, lost some gas to tank.

DAILY COMPLETION REPORT

1/9/04 Flowed well 20 hrs and made 899 MCF, 0 BC, 51 BW on a 16/64 ck with 850 FTP, 1125 CP, 231LP. Dominion compressor went down overnight.

1/10/04 Flowed well 24 hrs and made 997 MCF, 0 BC, 48 BW on a 16/64 ck with 750 FTP, 1050 CP, 158LP. RU Schlumberger wireline to run PLS log.

1/11/04 Flowed well 24 hrs and made 947 MCF, 0 BC, 86 BW on a 16/64 ck with 800 FTP, 1000 CP, 144LP. Run Schlumberger PLS log across producing intervals. Bottom two zones covered with fill.

1/12/04 Flowed well 24 hrs and made 983 MCF, 0 BC, 82 BW on a 16/64 ck with 700 FTP, 1000 CP, 164LP. 7# per MCF water vapor.

1/13/04 Flowed well 24 hrs and made 970 MCF, 0 BC, 60 BW on a 16/64 ck with 725 FTP, 1000 CP, 148LP.

1/14/04 Flowed well 24 hrs and made 948 MCF, 0 BC, 70 BW on a 16/64 ck with 750 FTP, 950 CP, 156LP.

1/15/04 Flowed well 24 hrs and made 940 MCF, 0 BC, 40 BW on a 16/64 ck with 750 FTP, 950 CP, 155LP

1/16/04 Flowed well 24 hrs and made 929 MCF, 0 BC, 58 BW on a 16/64 ck with 650 FTP, 900 CP, 120LP

1/17/04 Flowed well 24 hrs and made 920 MCF, 0 BC, 60 BW on a 16/64 ck with 675 FTP, 900 CP, 125LP

1/18/04 Flowed well 24 hrs and made 912 MCF, 0 BC, 64 BW on a 16/64 ck with 700 FTP, 850 CP, 137LP

1/19/04 Flowed well 24 hrs and made 909 MCF, 0 BC, 62 BW on a 16/64 ck with 700 FTP, 850 CP, 126LP

1/20/04 Flowed well 24 hrs and made 903 MCF, 0 BC, 74 BW on a 16/64 ck with 725 FTP, 850 CP, 126LP Transferred 80 BC from water tank.

1/21/04 Flowed well 24 hrs and made 895 MCF, 0 BC, 42 BW on a 16/64 ck with 700 FTP, 825 CP, 143LP

1/22/04 Flowed well 24 hrs and made 886 MCF, 10 BC, 44 BW on a 16/64 ck with 700 FTP, 850 CP, 119LP. Condensate from water tank.

1/23/04 Flowed well 24 hrs and made 880 MCF, 10 BC, 64 BW on a 16/64 ck with 650 FTP, 850 CP, 137LP

1/24/04 Flowed well 24 hrs and made 874 MCF, 3 BC, 55 BW on a 16/64 ck with 675 FTP, 850 CP, 131LP

1/25/04 Flowed well 24 hrs and made 870 MCF, 0 BC, 47 BW on a 16/64 ck with 650 FTP, 850 CP, 129LP

1/26/04 Flowed well 24 hrs and made 860 MCF, 7 BC, 55 BW on a 16/64 ck with 675 FTP, 850 CP, 129LP

1/27/04 Flowed well 24 hrs and made 850 MCF, 0 BC, 52 BW on a 16/64 ck with 650 FTP, 800 CP, 127LP

1/28/04 Flowed well 24 hrs and made 838 MCF, 0 BC, 42 BW on a 16/64 ck with 650 FTP, 800 CP, 135LP

DAILY COMPLETION REPORT

1/29/04 Flowed well 24 hrs and made 835 MCF, 0 BC, 41 BW on a 16/64 ck with 650 FTP, 800 CP, 183LP

1/30/04 Flowed well 24 hrs and made 825 MCF, 4 BC, 50 BW on a 16/64 ck with 600 FTP, 800 CP, 114LP

1/31/04 Flowed well 24 hrs and made 830 MCF, 5 BC, 40 BW on a 16/64 ck with 625 FTP, 800 CP, 117LP

2/1/04

2/2/04

2/3/04 Flowed well 24 hrs and made 813 MCF, 20 BC, 44 BW on a 16/64 ck with 675 FTP, 813 CP, 117LP

2/4/04

2/5/04 Flowed well 24 hrs and made 800 MCF, 43 BC, 50 BW on a 16/64 ck with 600 FTP, 780 CP, 109LP

2/6/04

2/7/04

2/8/04 Flowed well 24 hrs and made 830 MCF, 5 BC, 40 BW on a 16/64 ck with 625 FTP, 800 CP, 117LP

2/9/04 Flowed well 24 hrs and made 793 MCF, 4 BC, 38 BW on a 16/64 ck with 575 FTP, 700 CP, 123LP

2/10/04

2/11/04 Flowed well 24 hrs and made 778 MCF, 6 BC, 41 BW on a 16/64 ck with 600 FTP, 750 CP, 137LP

2/12/04 Flowed well 24 hrs and made 770 MCF, 7 BC, 40 BW on a 16/64 ck with 600 FTP, 750 CP, 138LP

2/13/04

2/14/04 Flowed well 24 hrs and made 767 MCF, 5 BC, 38 BW on a 16/64 ck with 600 FTP, 725 CP, 133LP

2/15/04 Flowed well 24 hrs and made 763 MCF, 5 BC, 40 BW on a 16/64 ck with 600 FTP, 700 CP, 127LP

5/24/04 Loaded up excess csg and junk from loc. Good csg to be MT'ed to 24-20-9-19. Loaded up and removed excess 2 3/8" tbg. To be MT'ed to Wilkin Ridge 12-32-10-17. Signed off Notice of Written Order, and sent in to BLM. (SCE) Final Report

Federal 32-31-9-19

Run prod log

8/26/04 RU Delsco slick line unit. RIH w/ 1.910 tbg broach. Fd SN @ 6325'. RIH w/ 1.752" lead impression block. Went thru SN ok, and tagged hard bottom @ 11,087'. Sand impression on block. RDMOL. (SCE)

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9/2/04 RU SLB (Jason) and ran Production Log. Stacked out 11010'.

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W/O

10/19/04 Fd 700/1650. Blew dn tbg and died. Swabbed. Fd IFL 3500'. Made 2 runs and kicked well off flowing to FB Tk. Unloaded tbg and SWI. RDMO Temple rig. Swab rig expected tomorrow AM. DC (SCE)

10/20/04 Fd 1000/1650. Blew tbg dn w/ no fluid flow. MIRU Delsco swab rig. Swabbed 6 runs and well didn't kick off flowing. SDFN. (SCE)

10/21/04 Swabbed well in. Unloaded to FB tk and SI for 1 hr. Opened well and unloaded to tk 5 more times during day, after 1 hr SI. Left well SI for night. (SCE)

10/22/04 Flowed well to tk and unloaded on it's own. RDMO swab rig. Put well dn line. (SCE)

43-049-34201

Run prod log

8/26/04 RU Delsco slick line unit. RIH w/ 1.910 tbg broach. Fd SN @ 6325'. RIH w/ 1.752" lead impression block. Went thru SN ok, and tagged hard bottom @ 11,087'. Sand impression on block. RDMOL. (SCE)

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10/20/04 Fd 1000/1650. Blew tbg dn w/ no fluid flow. MIRU Delsco swab rig. Swabbed 6 runs and well didn't kick off flowing. SDFN. (SCE)

10/21/04 Swabbed well in. Unloaded to FB tk and SI for 1 hr. Opened well and unloaded to tk 5 more times during day, after 1 hr SI. Left well SI for night. (SCE)

10/22/04 Flowed well to tk and unloaded on it's own. RDMO swab rig. Put well dn line. (SCE)

Swabbing, tbg plugged off

11/17/04 Well died. 0/1800. MIRU Delsco swab rig. Ran to bottom and swabbed dn to SN w/ no fluid entry. SN seems to be plugged off. Equalized tbg and csg. Blew dn again, w/ no success.

11/18/04 Tried to swab again. No fill up in tbg. MIRU Delsco slick line unit. RIH and retrieved plunger. Fd solid material (fine plastic or pipe varnish?) packed in retrieving head. RIH and latched onto bumper spring. Jarred out of SN and pulled +- 30 and got stuck. Worked tool while trying to flow, w/ no success. RU hot oil truck and pumped 75 bbl produced wtr dn tbg. Tried to work free. No success. Dropped cutter bar to cut line on top of tools. No cut. Dropped second bar w/ no success. SDFN. (SCE)

11/19/04 Dropped several more bars, w/ no success.

GEORGO ENERGY - FEDERAL 32-31-9-19
SWNE Sec. 31-09S-19E
Uintah County, Utah
DAILY COMPLETION REPORT

11/20/04 Wait on rig.

11/21/04 Move Temples rig to loc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No UTU-76489
2. Name of Operator Gasco Production Company		6. If Indian, Allottee, or Tribe Name NA
3a. Address 8 Inverness Drive East Ste 100 Englewood, Co 80112		7. If Unit or CA Agreement Name and/or No. NA
3b. Phone No. (include area code) 303-483-0044		8. Well Name and No. Federal 32-31-9-19
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2162' FNL & 1857' FEL SW NE of Section 31-T9S-R19E		9. API Well No 43-047-34201
		10. Field and Pool, or Exploratory Area Riverbend
		11. County or Parish, State Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon		
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input checked="" type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This is to inform you that we will be disposing of water from this well as follows:

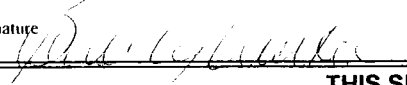
All produced water from this well will be trucked off the location and disposed of at Brennan bottom Water Disposal located between Roosevelt and Vernal Utah.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED

APR 26 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.	
Name (Printed Typed) Beverly Walker	Title Engineering Technician
Signature 	Date April 20, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-76489
2. Name of Operator Gasco Production Company		6. If Indian, Allottee, or Tribe Name NA
3a. Address 8 Inverness Drive East Ste 100 Englewood, Co 80112	3b. Phone No. (include area code) 303-483-0044	7. If Unit or CA, Agreement Name and/or No. NA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2162' FNL & 1857' FEL SW NE of Section 31-T9S-R19E		8. Well Name and No. Federal 32-31-9-19
		9. API Well No. 43-047-34201
		10. Field and Pool, or Exploratory Area Riverbend
		11. County or Parish, State Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Spud _____	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	_____	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This well was spud on 10/25/2002

RECEIVED

APR 26 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct	
Name (Printed Typed) Beverly Walker	Title Engineering Technician
Signature <i>Beverly Walker</i>	Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-76489
2. Name of Operator Gasco Production Company		6. If Indian, Allottee, or Tribe Name NA
3a. Address 8 Inverness Drive East Ste 100 Englewood, Co 80112	3b. Phone No. (include area code) 303-483-0044	7. If Unit or CA Agreement Name and/or No. NA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2162' FNL & 1857' FEL SW NE of Section 31-T9S-R19E		8. Well Name and No. Federal 32-31-9-19
		9. API Well No. 43-047-34201
		10. Field and Pool, or Exploratory Area Riverbend
		11. County or Parish, State Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

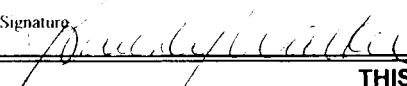
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This well was started on production on 12/5/03

RECEIVED

APR 26 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct	
Name (Printed/ Typed) Beverly Walker	Title Engineering Technician
Signature 	Date April 20, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
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SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Gasco Production Company

3a. Address 3b. Phone No. (include area code)
8 Inverness Drive East Ste 100 Englewood, Co 80112 303-483-0044

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2162' FNL & 1857' FEL SW NE of Section 31-T9S-R19E

5. Lease Serial No.
UTU-76489

6. If Indian, Allottee, or Tribe Name
NA

7. If Unit or CA Agreement Name and/or No.
NA

8. Well Name and No.
Federal 32-31-9-19

9. API Well No.
43-047-34201

10. Field and Pool, or Exploratory Area
Riverbend

11. County or Parish, State
Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	EFM Meter
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This sundry is being sent to inform you that we will be using a Total Flow to measure production from this well and will be considered as the point of sale for gas produced from this well. A temperature probe has been installed for gas measurement purposes. This unit does have a digital readout display and will be inspected and proved according to all BLM regulations.

RECEIVED

APR 26 2006

DIV. OF OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Beverly Walker

Title
Engineering Technician

Signature

Date
April 20, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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(Instructions on page 2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or reenter an
abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.
UTU-76489

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA/Agreement, Name and/or No.
NA

8. Well Name and No.
Federal 32-31-9-19

9. API Well No.
43-047-34201

10. Field and Pool, or Exploratory Area
Riverbend

11. County or Parish, State
Uintah County, Utah

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Gasco Production Company

3a. Address
8 Inverness Dr E, Englewood, Colorado 80112

3b. Phone No. (include area code)
303-483-0044

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**2162' FNL & 1857' FEL
SW NE of Section 31-T9S-R19E**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Calibrate Meter
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This well is scheduled to have the sales meter calibrated on May 9, 2006 at 12:45 p.m.

RECEIVED

APR 26 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Beverly Walker	Title Engineering Technician
Signature <i>[Signature]</i>	Date April 20, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
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abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-76489
2. Name of Operator Gasco Production Company		6. If Indian, Allottee, or Tribe Name
3a. Address 8 Inverness Drive East Ste 100 Englewood, Co 80112	3b. Phone No. (include area code) 303-483-0044	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		8. Well Name and No. See list below
		9. API Well No.
		10. Field and Pool, or Exploratory Area
		11. County or Parish, State

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This is to inform you that effective immediately we will be disposing of produced water from wells within this lease as follows:

All produced water from this well will be trucked off the location and disposed of at the Desert Spring State Evaporation Facility NW 1/4 of Section 36-T9S-R18E Uintah County, Utah. Which is owned by Gasco Production Company. A copy of the approved permit for this facility is attached.

The wells within this lease are:

Federal 12-31-9-19 SW NW of Sec 31-T9S-R19E Uintah Cnty, Utah 043-047-36336

Federal 24-31-9-19 SE SW of Sec 31-T9S-R19E Uintah Cnty, Utah 043-047-35623

★ Federal 32-31-9-19 SW NE of Sec 31-T9S-R19E Uintah Cnty, Utah 043-047-34201

Federal 41-31-9-19 NE NE of Sec 31-T9S-R19E Uintah Cnty, Utah 043-047-35624

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
OCT 24 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed Typed)

Beverly Walker

Title

Engineering Tech

Signature

Date

October 18, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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(Instructions on page 2)

TRIPLE J SERVICES INC.

Swab/Flow Report:

Well: fed-32-31-9-19 Report Date: 2-14-07 Tubing Size: 2 3/8 Initial Pressure: 1550 0

Area: *T09S R10E S-3* Bleed of Time: F Nipple Depth: 12000 Final Pressure: 1400 open to sales
43-047-34201

Time	Runs	Fluid Levels	Pulled from	Bbls per run	Flow time after run	Fluid Entry	Type of Fluid Remarks	Time	Casing PSI
10:20	1	6300	7800				cond and water		
10:45	2	6700	8200				"		
11:05	3	7000	8500				"		
11:30	4	7200	8700		10 min blow		"		
12:05	5	2000	3000		flowing to tank		"		

6:00 – 10:20 road rig from vernal to location, rig unit up, blow well down, hook up swab.
 10:20 – 12:20 swab well
 12:20 – 12:45 well flowing to tank, plunger came up, let well clean up.
 12:45 – 1:55 dropping plunger, and rig unit down.
 1:55 – 2:10 open well to sales, plunger came up, leave well open to sales.

Cost \$2012.00

Total bbls swabbed and flowed back 34 bbls.

RECEIVED

FEB 20 2007

DIV. OF OIL, GAS & MINING



Gasco Production Company

Federal 32-31-9-19

SW NE of Section 31-T9S-R19~~W~~^E

Uintah County Utah

043-047-34201

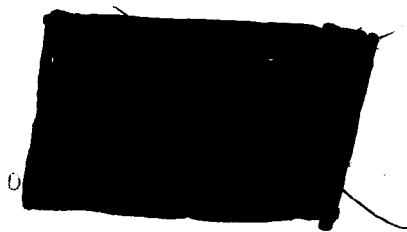
Drilling Reports

- 5/3/07 MORU service unit, blow tbg down to tank and rig up swab. Make 3 runs and well kicked off, production tanks to full to flow over night, close well in and SDFD. (Rick w/ Premier / CR) DC \$ 6115 CC \$ 20,445
- 5/4/07 Open well up this AM w/ 1200 / 1400 psi. unload well to tank and drop plunger, wait 1 ½ hrs and cycle plunger. Turn well over to production and RDMO location. (Rick w/ Premier / CR) DC \$ 3440 CC \$ 23,885

RECEIVED

MAY 04 2007

DIV. OF OIL, GAS & MINING



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
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SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Gasco Production Company

3a. Address

8 Inverness Drive East Ste 100 Englewood, Co 80112

3b. Phone No. (include area code)

303-483-0044

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2162' FNL & 1857' FEL SW NE of Section 31-T9S-R19E

5. Lease Serial No.

UTU-76489

6. If Indian, Allottee, or Tribe Name

NA

7. If Unit or CA. Agreement Name and/or No.

NA

8. Well Name and No.

Federal 32-31-9-19

9. API Well No.

43-047-34201

10. Field and Pool, or Exploratory Area

Riverbend

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Drill scale/fill</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	<u>& change tubing depth</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

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Gasco intends to workover this well starting approximately 10/3/2008 in order to enhance production. Any scale/fill potentially prohibiting production from lower zones will be drilled out. Tubing is planned to be relanded @ ~10,500'. A dual chemical injection system consisting of a 1/4" capillary string landed @ ~11,200' and a continuous backside injection system will be utilized in order to ensure scale/corrosion from chemical is being dispersed throughout the entire wellbore.

COPY SENT TO OPERATOR

Date: 11.6.2008

Initials: KS

Accepted by
Utah Division of
Oil, Gas and Mining

Date

By: [Signature]

Federal Approval Of This
Action Is Necessary

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed)

Matt Owens

Signature

[Signature]

Title

Petroleum Engineer

Date

10/11/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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Title

Office

Date

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(Instructions on page 2)

RECEIVED

OCT 02 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
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1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Gasco Production Company

3a. Address
8 Inverness Drive East Ste 100 Englewood, Co 80112

3b. Phone No. (include area code)
303-483-0044

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2162' FNL & 1857' FEL SW NE of Section 31-T9S-R19E

5. Lease Serial No.
UTU-76489

6. If Indian, Allottee, or Tribe Name
NA

7. If Unit or CA. Agreement Name and/or No.
NA

8. Well Name and No.
Federal 32-31-9-19

9. API Well No.
43-047-34201

10. Field and Pool, or Exploratory Area
Riverbend

11. County or Parish, State
Uintah County, Utah

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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Drill scale/fill</u>	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	<u>& change tubing depth</u>	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Gasco moved onto this well 10/7/2008. The wellbore was cleaned out down to 11,398' and tubing was landed at 11,309' with 360 joints of 2 3/8" 4.7# N-80 tubing on 10/18/2008. The well was then set up to have foamer, scale and corrosion inhibitor continuously injected down the annulus of the well to prevent future scale, corrosion and liquid loading problems.

RECEIVED
DEC 23 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Matt Owens

Title

Petroleum Engineer

Signature

Date

12/5/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

8/14/08 MIRU swab rig , Swab up 26 bbls (3 runs) restart plunger lift (SD) DC\$2911

10/7/08 1500 sitp 1500 sicp (equalized @ w.h.). M.I.S.U. & R.U. Lay hard lines. Put spool onto bop's. Leave csg. to sales & S.D.F.N. (RICK)

10/8/08 550.sitp 400 fcp. Pump 25 bbls. down tbg. N.D. W.H. N.U. BOP'S. R.I.H. w/ 3 jts. tbg. Tagged @ 11,394'. P.O.O.H. W/ 74 jts. tbg. E.O.T. @ 9104'. R.U. Swab & fish plunger & b.spring out of x-nipple. R.I.H. w/ 65 jts. tbg. Tbg. Parted. (bottom 1/2 of threads pulled off on pin) Pump 45 bbls. down tbg. Well still flowing. Pump 20 bbls. down tbg. P.O.O.H. w/ 9 jts. tbg. Well kicked. Pump 10 bbls. down tbg. & 20 bbls. down csg. Well still flowing. Circulate well w/ 31 bbls. P.O.O.H. w/ 11 jts. tbg. Leave csg. to sales & S.D.F.N. (RICK) DC \$8,166

10/14/08 Pump 20 bbls. down csg. R.I.H. w/ 3 3/4 overshot w/ 3 1/16 grapple, bumper sub, jars, 1-4' sub, 22 jts. tbg.(n-80), 1-6' sub, 4 jts. p-110 tbg. Work down onto fish. Fish pulled free w/ no jarring. Well kicked. Circ. 60 bbls. down tbg. Well still flowing. Pump 30 bbls. down csg. Leave shut in for 10 min. Well died. P.O.O.H. w/ 4 jts. p-110 tbg., 1-6' sub, 22 jts. tbg., (n-80) , 1-4' sub, jars, bumper sub, overshot w/ fish. (change out collar) R.I.H. w/ 22 jts. N-80 tbg., 2 jts. P-110 tbg. R.U. Swab. Broach tbg. Couldn't get down past 3820'. P.O.O.H. w/ broach. Leave csg. to sales & S.D.F.N. (RICK) DC 7183

10-15-08 0 tp 150 cp. P.O.O.H. w/ 38 jts. tbg. (good) layed down 193 jts. tbg. Broach tbg. (4000' ok) P.O.O.H. w/ 60 jts. tbg.(good) Well kicked. Pump 20 bbls. down tbg. P.O.O.H. w/ 2 jts. tbg. Well kicked. Pump 10 bbls. down tbg. & 30 bbls. down csg. P.O.O.H. w/ 66 jts. tbg. TOTAL = 179 JTS. tbg BAD (corkscrewed, need to be straightened) 180 JTS. TBG. GOOD. Leave csg. to sales & S.D.F.N. (RICK) DC 8130

10-16-08 SD rig for day, wait on Inspection crew to straighten pipe. (SCE)

10-17-08 150 cp (dead against line psi). MIRU Curts Inspection to straighten tbg. Blow down csg. R.I.H. w/ 100 jts. tbg. Leave csg. to sales & S.D.F.N. Straightening machine broke, with 14 jts left to finish. (RICK) DC 7996

10-18-08 150 sitp 100 fcp. Finished last 14 jts. Pump 20 bbls. down tbg. R.I.H. w/ 263 jts. tbg. Tagged P.B.T.D. @ 11,398' w/ 363 jts. total. P.O.O.H. w/ 3 jts. tbg. & Land tbg. @ 11,309' w/ 360 jts. N-80 EUE 8 RND TBG. N.D. BOP'S. N.U. W.H. Leave tbg. to sales & S.D.F.N. (RICK) (SCE) (STRAIGHTENED 174 JTS. TOTAL) DC 12779

10-19-08 100 ftp 200 sicp. Broached tbg to SN. R.U. Swab. I.F.L. @ 3000'. Made 15 runs. Recovered 74 bbls. Well flowed for approx. 3-5 min. after last 5 runs. (B.J. CHEMICAL hooked up w/sun pump) Leave tbg. to sales & S.D.F.N. (Rick) (SCE) DC 7073

10-21-08 50 ftp 950 cp. R.U. Swab. I.F.L. @ 3000'. Made 12 runs. Recovered 87 bbls. Well kicked off. Flowed to sales for 1 1/2 hrs. Well died. Made 1 run. Well kicked of flowing. Put tbg. to sales & S.D.F.N. (RICK) DC 8000

10-22-08 50 ftp 1400 cp. Open to prod. tank. Drop bumper spring & chase to x-nipple w/ broach. R.U. Swab. Made 2 runs. I.F.L. @ 6000'. Recovered 5 bbls. Well started to flow. Drop plunger. S.I.W. & wait for plunger to get to bottom. Put well on cycle. Plunger came up with NO PROBLEMS. Start to rig down & couldn't finish due to high winds. S.D.F.N. (RICK) DC 6251

10/31/08 Misc costs: Repair deadman, Load & unload n-80 tubing, restroom costs (PME) DC \$1,702

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76489
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112		8. WELL NAME and NUMBER: FED 32-31-9-19
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2162 FNL 1857 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 31 Township: 09.0S Range: 19.0E Meridian: S		9. API NUMBER: 43047342010000
PHONE NUMBER: 303 483-0044 Ext		9. FIELD and POOL or WILDCAT: PARIETTE BENCH
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/1/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Gasco would like to dispose of water at Integrated Water management, LLC state approved commercial disposal facility located in Section 30, 2 south Range 4 west in North Blue Bench UT. This facility would be used in addition to the currently approved disposal facilities that Gasco uses to dispose of water from this well.

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Production Clerk
SIGNATURE N/A		DATE 12/31/2010

Effective Date: 4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Production Company N2575 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805	Badlands Production Company N4265 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805
CA Number(s):	Unit(s): Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 6/2/2015
3. New operator Division of Corporations Business Number: 1454161-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 6/2/2015
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 6/3/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 1/20/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: SUR0027842
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): SUR0027845
SUR0035619 -FCB

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 1/22/2016
2. Entity Number(s) updated in **OGIS** on: 1/22/2016
3. Unit(s) operator number update in **OGIS** on: 1/22/2016
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/22/2016
6. Surface Facilities update in **RBDMS** on: N/A

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/22/2016

COMMENTS:

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S	190E	4304752496		Federal	Federal	OW	APD
FEDERAL 14-17G-9-19	17	090S	190E	4304752522		Federal	Federal	OW	APD
FEDERAL 13-18G-9-19	18	090S	190E	4304752538		Federal	Federal	OW	APD
FEDERAL 23-29G-9-19	29	090S	190E	4304752544		Federal	Federal	OW	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	OW	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070		Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	090S	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	090S	190E	4304753078		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S	190E	4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S	190E	4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S	190E	4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	190E	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	190E	4304754481		State	State	GW	APD
State 413-32-9-19	32	090S	190E	4304754482		State	State	GW	APD
State 323-32-9-19	32	090S	190E	4304754483		State	State	GW	APD
State 431-32-9-19	32	090S	190E	4304754529		State	State	GW	APD
Desert Spring State 224-36-9-18	36	090S	180E	4304754541		State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	180E	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	090S	180E	4304754543		State	State	GW	APD
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	P
RBV 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P
FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482
2. NAME OF OPERATOR: Gasco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave. CITY Denver STATE CO ZIP 80237		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 483-0044		8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0633 FNL 1512 FWL		9. API NUMBER: 4304737631
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 10S 18E S		10. FIELD AND POOL, OR WILDCAT: Uteland Butte

COUNTY: Uintah

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/16/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company requests a change of operator on this well, in addition to the wells on the attached list from Gasco Production Company to Badlands Production Company, effective date of 4/16/2015.

Gasco Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

Badlands Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

RECEIVED

JUN 02 2015

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lindsey Cooke	TITLE Engineering Tech
SIGNATURE <i>Lindsey Cooke</i>	DATE 5/18/2015

(This space for State use only)

APPROVED

JAN 22 2016

DIV. OIL GAS & MINING
BY: *Rachel Medina*

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
RBW 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBW 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBW 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBW 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBW 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBW 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBW 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBW 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBW 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBW 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBW 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P

FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBW 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBW 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBW 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S